LAS POSITAS COLLEGE - BLDG 2100

LIVERMORE, CA

11-07-19

DESIGN DEVELOPMENT SET

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

Project # 863-0004

ABBREVIATIONS

#	POUND OR NUMBER
&	AND
(E)	EXISTING
(N)	NEW
@	AT
L	ANGLE
Ø	DIAMETER or ROUND
A.C.	ASPHALT CONCRETE
A.C.P.	ALUMINUM COMPOSITE PANEL
A.D.	AREA DRAIN
A.F.F.	ABOVE FINISH FLOOR
A.L.S.	ASSISTED LISTENING SYSTEM
ACOUS.	ACOUSTICAL
ADJ.	ADJUSTABLE or ADJACENT
AGGR.	AGGREGATE
ALUM.	ALUMINUM
APPROX.	APPROXIMATELY
ARCH.	ARCHITECTURAL
ASB.	ASBESTOS
ASPH.	ASPHALT
BD.	BOARD
BITUM.	BITUMINOUS
BLDG.	BUILDING
BLK.	BLOCK
BLKG.	BLOCKING
BM.	BEAM
BOTT.	BOTTOM
C.B.	CATCH BASIN
C.B.C.	CALIFORNIA BUILDING CODE
C.G.	CORNER GUARD
C.I.	CAST IRON
C.I.P.	CAST IN PLACE
C.J.	CONTROL JOINT
C.L.	CENTERLINE
C.O.	CASED OPENING
C.W.	CURTAIN WALL
CAB.	CABINET
CEM.	CEMENT
CER.	CERAMIC
CLG.	CEILING
CLKG.	CAULIKING
CLO.	CLOSET
CLR.	CLEAR
CNTR.	COUNTER
COL.	COLUMN
COMP.	COMPOSITE
CONC.	CONCRETE
CONN.	CONNECTION
CONSTR.	CONSTRUCTION
CONT.	CONTINUOUS
CORR.	CORRIDOR
CTR.	CENTER
CTSK.	COUNTERSUNK
D.F.	DRINKING FOUNTAIN
D.G.	DECOMPOSED GRANITE
D.O.	DOOR OPENING
D.S.	DOWNSPOUT
D.S.P.	DRY STANDPIPE
DBL.	DOUBLE
DEMO.	DEMOLISH
DEPT.	DEPARTMENT
DET.	DETAIL
DIA.	DIAMETER
DIM.	DIMENSION
DISP.	DISPENSER
DN.	DOWN
DR.	DOOR
DTL.	DETAIL
DWG.	DRAWING
DWR.	DRAWER
E.	EAST
E.J.	EXPANSION JOINT
E.O.S.	EDGE OF SLAB
E.P.	ELEC. PANEL
E.W.C.	ELEC. WATER COOLER
EA.	EACH
EL.	ELEVATION
ELEC.	ELECTRICAL
ELEV.	ELEVATOR
EMER.	EMERGENCY
ENCL.	ENCLOSURE
EQ.	EQUAL
EQPT.	EQUIPMENT
EXP.	EXPANSION
EXPO.	EXPOSED
EXST.	EXISTING
EXT.	EXTERIOR
F.A.	FIRE ALARM
F.B.	FLAT BAR
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.H.C.	FIRE HOSE CABINET
F.O.C.	FACE OF CONCRETE
F.O.F.	FACE OF FINISH
F.O.M.	FACE OF MASONRY
F.O.S.	FACE OF STUD
F.S.	FIRE SPRINKLER
FDN.	FOUNDATION
FIN.	FINISH
FL.	FLOOR
FLASH.	FLASHING
FLUOR.	FLUORESCENT
FPRF.	FIREPROOF
FRMG.	FRAMING
FT.	FOOT or FEET
FTG.	FOOTING
FURR.	FURRING
FUT.	FUTURE
G.B.	GRAB BAR
G.S.M.	GALVANIZED SHEET METAL
GA.	GAUGE
GALV.	GALVANIZED
GL.	GLASS
GND.	GROUND
GR.	GRADE
GYP.	GYPSUM
H.B.	HOSE BIB
H.C.	HOLLOW CORE
H.M.	HOLLOW METAL
HDWD.	HARDWOOD
HDWR.	HARDWARE
HORIZ.	HORIZONTAL
HR.	HOUR
HT.	HEIGHT
I.D.	INSIDE DIAMETER
I.S.A.	INTERNATIONAL SYMBOL OF ACCESSIBILITY
INSUL.	INSULATION
INT.	INTERIOR
JAN.	JANITOR
JT.	JOINT
K.D.	KNOCK DOWN
L.F.	LINEAL FOOT
LAM.	LAMINATE
LAV.	LAVATORY
LKR.	LOCKER
LT.	LIGHT
M.H.	MANHOLE
M.O.	MASONRY OPENING
MAX.	MAXIMUM
MECH.	MECHANICAL
MED.	MEDIUM
MEMB.	MEMBRANE
MFR.	MANUFACTURER
MIN.	MINIMUM
MIR.	MIRROR
MISC.	MISCELLANEOUS
MTD.	MOUNTED
MTL.	METAL
MUL.	MULLION
N.	NORTH
N.I.C.	NOT IN CONTRACT
N.R.	NON RATED
N.T.S.	NOT TO SCALE
NO.	NUMBER
NOM.	NOMINAL
O.A.	OVERALL
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.F.C.I.	OWNER FURNISHED CONTRACTOR INSTALLED
O.F.D.	OVERFLOW DRAIN
O.F.O.I.	OWNER FURNISHED OWNER INSTALLED
O.H.	OPPOSITE HAND
O.S.B.	ORIENTED STRAND BOARD
O/	OVER
OBS.	OBSCURE
OCC.	OCCUPANTS OR OCCUPANCY
OFC.	OFFICE
OPNG.	OPENING
OPP.	OPPOSITE
P.L.	PROPERTY LINE
P.LAM.	PLASTIC LAMINATE
P.T.D.	PAPER TOWEL DISPENSER
P.T.D./R.	PAPER TOWEL DISPENSER/RECEPTACLE
P.T.D.F.	PRESSURE TREATED DOUGLAS FIR
PL.	PLATE
PLAS.	PLASTER
PLYWD.	PLYWOOD
PNTD.	PAINTED
PR.	PAIR
PRCST.	PRECAST
R.C.	RESILIENT CHANNEL
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING
R.R.	RESTROOM
R.W.L.	RAIN WATER LEADER
RAD.	RADIUS
REC.	RECESSED
RECL.	RECYCLING
REF.	REFERENCE
REFR.	REFRIGERATOR
REINF.	REINFORCED
REQ.	REQUIRED
RESIL.	RESILIENT
RGTR.	REGISTER
RISER	RISER
RM.	ROOM
RWD.	REDWOOD
S.	SOUTH
S.A.M.	SELF-ADHERED MEMBRANE
S.C.	SOLID CORE
S.C.D.	SEAT COVER DISPENSER
S.D.	SOAP DISPENSER
S.F.	SQUARE FOOT
S.M.S.	SHEET METAL SCREW
S.N.D.	SANITARY NAPKIN DISPENSER
S.N.R.	SANITARY NAPKIN RECEPTACLE
S.O.G.	SLAB ON GRADE
S.S.	STAINLESS STEEL
S.SK.	SERVICE SINK
SCHED.	SCHEDULE
SECT.	SECTION
SEP.	SEPARATE or SEPARATION
SHT.	SHEET
SHTG.	SHEATHING
SHWR.	SHOWER
SIM.	SIMILAR
SPEC.	SPECIFICATION
SQ.	SQUARE
ST.	STATION
STD.	STANDARD
STL.	STEEL
STOR.	STORAGE
STRL.	STRUCTURAL
SUSP.	SUSPENDED
SYM.	SYMMETRICAL
T&G	TONGUE AND GROOVE
T.	TEMPERED GLASS
T.B.	TOWEL BAR
T.O.C.	TOP OF CONCRETE
T.O.P.	TOP OF PARAPET
T.O.STL.	TOP OF STEEL
T.O.W.	TOP OF WALL
T.P.	TOP OF PAVEMENT
T.P.D.	TOILET PAPER DISPENSER
TEL.	TELEPHONE
TER.	TERRAZZO
THK.	THICK
TRANS.	TRANSITION
TRD.	TREAD
TYP.	TYPICAL
U.O.N.	UNLESS OTHERWISE NOTED
UNF.	UNFINISHED
UR.	URINAL
UTIL.	UTILITY
V.I.F.	VERIFY IN FIELD
VER.	VERIFY
VERT.	VERTICAL
VEST.	VESTIBULE
W.	WEST
W.C.	WATER CLOSET
W.O.	WHERE OCCURS
W.P.	WATERPROOF
W.V.	WOOD VENEER
W/	WITH
W/O	WITHOUT
WD.	WOOD
W/SCT.	WAINSCOT
WT.	WEIGHT

SYMBOLS

FLOW LINE

NEW CONTOUR

EXISTING CONTOUR

CENTERLINE

PROPERTY LINE

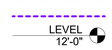
PROJECTED LINE

HIDDEN LINE

BREAK LINE

MATCH LINE

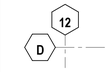
CONTRACT LIMIT LINE



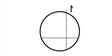
ELEVATION MARK OR DATUM POINT

WALL TYPE

REVISION MARK



GRID LINES

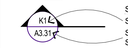

NORTH ARROW

ROOM NAME AND NUMBER

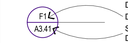
DOOR NUMBER

WINDOW TYPE

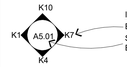
KEYNOTE



SECTION
SECTION IDENTIFICATION
SHEET WHERE SECTION IS DRAWN



DETAIL
DETAIL IDENTIFICATION
SHEET WHERE DETAIL IS DRAWN



INTERIOR ELEVATION
ELEVATION IDENTIFICATION
SHEET WHERE ELEVATION IS DRAWN

ALIGN FINISH SURFACES

EARTH

POROUS FILL

CONCRETE

CAST STONE

CONCRETE BLOCK

BRICK

METAL

CONTINUOUS WOOD

SHIM OR NON-CONT. WOOD BLKING

FINISH WOOD

PLYWOOD

GYPSUM WALLBOARD

STONE

RIGID INSULATION

BATT INSULATION

ACOUSTIC TILE

PLASTER ON METAL LATH

PAVING

TILE

GLASS

EXPANSION MATERIAL

SEALANT W/ BACK-UP MATERIAL

CARPET

GENERAL NOTES

1. CONTRACTOR SHALL VERIFY ALL CONDITIONS AND DIMENSIONS ON SITE PRIOR TO STARTING CONSTRUCTION. SHOULD A DISCREPANCY APPEAR IN THE SPECIFICATIONS OR DRAWINGS, OR IN THE WORK DONE BY OTHERS FROM THE CONTRACT DOCUMENTS THAT AFFECT ANY WORK, NOTIFY THE ARCHITECT AT ONCE FOR INSTRUCTION ON HOW TO PROCEED. IF THE CONTRACTOR PROCEEDS WITH THE WORK AFFECTED WITHOUT INSTRUCTIONS FROM THE ARCHITECT, THE CONTRACTOR SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT TO THE SATISFACTION OF THE ARCHITECT. SHOULD A CONFLICT OCCUR IN OR BETWEEN DRAWINGS AND SPECIFICATIONS, OR WHERE DETAIL REFERENCES ON CONTRACT DRAWINGS HAVE BEEN OMITTED, THE CONTRACTOR IS DEEMED TO HAVE ESTIMATED THE MOST EXPENSIVE MATERIALS AND CONSTRUCTION METHOD INVOLVED, UNLESS A WRITTEN DECISION FROM THE ARCHITECT HAS BEEN OBTAINED WHICH DESCRIBES AN ALTERNATE METHOD AND/OR MATERIALS.
2. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS ON THE SITE TO AREAS PERMITTED BY THE OWNER. THE WORK SHALL BE DONE IN ACCORDANCE WITH APPLICABLE LAWS, LOCAL ORDINANCES, PERMITS AND THE CONTRACT DOCUMENTS. THE JOB SITE SHALL BE MAINTAINED IN A CLEAN, ORDERLY CONDITION FREE OF DEBRIS AND LITTER, AND SHALL NOT BE UNREASONABLY ENCUMBERED WITH ANY MATERIALS OR EQUIPMENT. EACH SUB-CONTRACTOR IMMEDIATELY UPON COMPLETION OF EACH PHASE OF HIS/HER WORK SHALL REMOVE ALL TRASH AND DEBRIS AS A RESULT OF HIS OPERATION.
3. CONTRACTOR SHALL NOTIFY THE ARCHITECT WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DOCUMENTS OR DRAWINGS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES.
4. ALL LEGAL EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR SPECIAL KNOWLEDGE OR EFFORT. EXIT SIGNS SHALL BE PROVIDED AT ALL EXITS AS REQUIRED BY CODE. ALL DOOR SWINGS SERVING AN OCCUPANT LOAD OF 50 OR GREATER SHALL SWING IN THE DIRECTION OF EXIT.
5. PROVIDE ILLUMINATED EXIT SIGNS PER THE REQUIREMENTS OF 2010 C.B.C., SECTION 1011.
6. PROVIDE FIRE EXTINGUISHERS PER THE REQUIREMENTS OF THE STATE FIRE MARSHAL.
7. CONSTRUCTION SHALL COMPLY WITH THE AIR LEAKAGE REQUIREMENTS OF THE CALIFORNIA ADMINISTRATIVE CODE, TITLE 24, PART 2 CHAPTER 2-53 FOR WINDOWS, DOORS, CAULKING AND SEALING, ELEVATOR SHAFT VENTS AND ALL OTHER APPLICABLE REQUIREMENTS.
8. DIMENSIONSING RULES:

A. NOTED DIMENSIONS SHALL AT ALL TIMES TAKE PRECEDENCE OVER SCALED DIMENSIONS.
B. ALL DIMENSIONS OF NEW WORK ARE TO THE FACE OF STUD U.O.N.
C. ALL DIMENSIONS OF EXISTING WORK ARE TO FACE OF FINISH U.O.N.
D. CEILING HEIGHT DIMENSIONS ARE FROM TOP OF FLOOR SLAB TO FINISH FACE OF CEILING.
E. DIMENSIONS NOTED "CLEAR" OR "CLR" MUST BE PRECISELY MAINTAINED.
F. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT APPROVAL OF THE ARCHITECT.
G. +/- VERTICAL DIMENSION ARE FROM THE TOP OF THE FLOOR SLAB DATUM LINE, ESTABLISHED BY THE CONTRACTOR SUBJECT TO THE APPROVAL OF THE OWNER OR ARCHITECT, UNLESS OTHERWISE NOTED.
H. DIMENSIONS MARKED "A.F.F." ARE ABOVE FINISHED FLOOR MATERIALS. IN CARPETED AREAS, THE TOP OF SLAB IS CONSIDERED TO BE THE FINISH FLOOR.
I. DIMENSIONS MARKED "V.I.F." SHALL BE "VERIFIED" IN THE FIELD BY THE CONTRACTOR.
J. ALL DIMENSIONS ARE TO STRUCTURAL COMPONENTS UNLESS OTHERWISE NOTED.
K. DIMENSION LOCATING DOORS ARE TO THE INSIDE EDGE OF JAMB, U.O.N.

APPLICABLE CODES

2019	CALIFORNIA BUILDING CODE (CBC)
2019	CALIFORNIA ELECTRICAL CODE (CEC)
2019	CALIFORNIA MECHANICAL CODE (CMC)
2019	CALIFORNIA PLUMBING CODE (CPC)
2019	CALIFORNIA ENERGY CODE
2019	CALIFORNIA FIRE CODE (CFC)
2019	CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN)
2010	ADAAG - FEDERAL GUIDELINES (INCLUDED AND AMENDED IN CBC)
NFPA 13-16	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
NFPA 24-16	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES
NFPA 72-16	NATIONAL FIRE ALARM AND SIGNALING CODE (CALIFORNIA AMENDED)
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVES
NFPA 253	CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS

SCOPE OF WORK

5,000 renovation to B2000
5,000 addition to B2000
80,000 SQ FT of new BLD

BID ALTERNATES

UNLESS SPECIFICALLY NOTED AS AN ALTERNATE IN THESE DOCUMENTS, ALL OTHER WORK IN THIS SET OF DOCUMENTS SHALL BE CONSIDERED PART OF THE BASE BID OF THE PROJECT WHETHER NOTED AS SUCH OR NOT. WHERE ANY DOUBT ARISES, WORK SHALL BE CONSIDERED PART OF THE BASE BID.

ALL ITEMS LISTED BELOW SHALL BE ADDITIVE ALTERNATES. THE ORDER OF ALTERNATES SHALL NOT BE CONSTRUED AS AN INDICATION OF PRIORITY OF ALTERNATES.

1. BLEACHER SEATING AND ADJACENT STAIRS WAY. REFER TO SHEET A2.12 ALT AND A2.22 ALT

2. TBD

3. TBD

STATEMENT OF GENERAL CONFORMANCE

INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS
PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND / OR CONSULTANTS

☒ THE DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
☐ THIS DRAWING, PAGE OF SPECIFICATIONS / CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND / OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

1. DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA CODE OF REGULATIONS AND THE PROJECT SPECIFICATIONS PREPARED BY ME.
AND
2. COORDINATION WITH MY PLANS AND SPECIFICATIONS AND IS ACCEPTABLE FOR INCORPORATION INTO THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344 OF TITLE 24, PART 1.

I CERTIFY THAT:

☒ ALL DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET
☐ THIS DRAWING, PAGE OF SPECIFICATIONS / CALCULATIONS

☒ IS / ARE IN GENERAL CONFORMANCE AND
☒ HAVE BEEN COORDINATED

SIGNATURE DATE

ARCHITECT DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE

????

PRINT NAME

C-??? 05.31.2019

LICENSE NUMBER EXPIRATION DATE

PROJECT TEAM

OWNER / DEVELOPER:

CHABOT-LAS POSITAS COMMUNITY COLLEGE DISTRICT
7600 DUBLIN BLVD, 3RD FLOOR
DUBLIN, CA 94568

CONTACT: OWEN LETCHER, VC FACILITIES/BOND PROGRAM AND OPERATIONS
925.485.5277
OLETCHER@CLPCCD.ORG

ARCHITECT:

LPAS ARCHITECTURE + DESIGN
2484 NATOMAS PARK DRIVE, SUITE 100
SACRAMENTO, CA 95833

CONTACT: TRACY HART
916.443.0335
THART@LPAS.COM

LANDSCAPE ARCHITECT:

LPAS ARCHITECTURE + DESIGN
2484 NATOMAS PARK DRIVE, SUITE 100
SACRAMENTO, CA 95833

CONTACT: THAIS DEL CASTILLO
916.443.0335
TDELCASTILLO@LPAS.COM

STRUCTURAL:

THORNTON TOMASETTI, INC.
650 CALIFORNIA STREET, STE. 1400
SAN FRANCISCO, CA 94108

CONTACT: SIPON YAVARIAN, P.E.
415.365.6900
SYAVARIAN@THORTONTOMASETTI.COM

MECHANICAL / ELETRICAL / PLUMBING / FIRE / TECHNOLOGY / AV / SECURITY:

INTERFACE ENGINEERING, INC.
135 MAN STREET, STE. 400
SAN FRANCISCO, CA 94105

CONTACT: DAVID COYLE
415.489.7252
DAVIDCO@INTERFACEENG.COM

SUSTAINABILITY:

AMBIENT ENERGY
1449 7TH STREET, STE. 440
DENVER, CO 80204

CONTACT: VICTORIA HERRERO-GARCIA
970.426.2088
VHERRERO@AMBIENT-E.COM

CIVIL:

BKF ENGINEERS
4670 WILLOW ROAD, STE. 250
PLEASANTON, CA 94588

CONTACT: STEVEN REYNOLDS
925.396.7723
SREYNOLDS@BKF.COM

DEFERRED SUBMITTALS

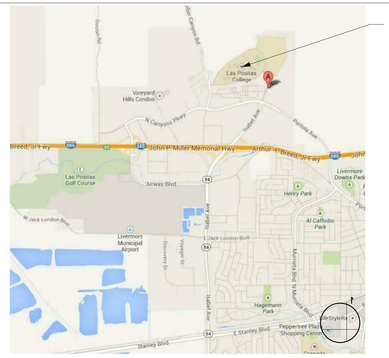
1. ELEVATOR GUIDERAILS AND SUPPORT BRACKETS.
2. SKYLIGHTS.
3. ALL WINDOW WALL SYSTEMS / STOREFRONTS. PER DSA IR 24.2

NOTE: SUBMITTAL DOCUMENTS FOR DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE, WHO SHALL REVIEW THEM AND FORWARD THEM TO THE DIVISION OF STATE ARCHITECT WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN INTENT OF THE BUILDING.

THE SUBMITTAL SHALL BE STAMPED AND SIGNED BY AN ARCHITECT OR A LICENSED DESIGN PROFESSIONAL RESPONSIBLE FOR THE ITEM.

FABRICATION AND INSTALLATION OF DEFERRED APPROVAL ITEMS SHALL NOT COMMENCE UNTIL DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS (IF REQUIRED) FOR THE SYSTEM HAVE BEEN ACCEPTED BY THE ARCHITECT OF RECORD AND APPROVED BY DIVISION OF THE STATE ARCHITECT (DSA). (SEC. 4-317(G), PART 1)
SEE STRUCTURAL NOTES ON S1.01

VICINITY MAP



LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

GENERAL INFORMATION

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

G0.01

DESIGN DEVELOPMENT SET

GENERAL
A0.00 COVER SHEET
G0.01 GENERAL INFORMATION
G0.04 SHEET INDEX
G0.07 ACCESS COMPLIANCE DETAILS
G0.20 OVERALL CAMPUS PLAN
G0.30 FIRE AND SITE ACCESS PLAN
G0.31 STANDARD ACCESS DETAIL
G0.40 BUILDING CODE ANALYSIS - TABLES
G0.41 BUILDING CODE ANALYSIS - 1ST FLOOR PLAN
G0.42 BUILDING CODE ANALYSIS - 2ND FLOOR PLAN
G0.43 BUILDING CODE ANALYSIS - 3RD FLOOR PLAN
G0.46 PROGRAM ANALYSIS

CIVIL
C1.00 TOPOGRAPHIC SURVEY
C1.01 TOPOGRAPHIC SURVEY
C2.00 SITE UTILITY DEMOLITION PLAN
C2.01 SITE UTILITY DEMOLITION PLAN
C3.00 SITE UTILITY PLAN
C4.00 GRADING PLAN
C4.01 GRADING PLAN
C5.00 PROPOSED PAVING PLAN

LANDSCAPE
L1.00 OVERALL LANDSCAPE PLAN

ARCHITECTURAL
AD2.00 DEMOLITION - OVERALL FIRST FLOOR PLAN

ARCHITECTURAL - SITE
A1.00 OVERALL SITE PLAN
A1.01 PARTIAL SITE PLAN
A1.02 PARTIAL SITE PLAN
A1.11 SITE DETAILS

ARCHITECTURE - DEMOLITION
AD2.14 DEMOLITION - 1ST FLOOR SECTOR 4

ARCHITECTURAL
A2.10 OVERALL - 1ST FLOOR PLAN
A2.11 1ST FLOOR - SECTOR 1 - FLOOR PLAN
A2.12 1ST FLOOR - SECTOR 2 - FLOOR PLAN
A2.13 1ST FLOOR - SECTOR 3 - FLOOR PLAN
A2.14 1ST FLOOR - SECTOR 4 - FLOOR PLAN
A2.20 OVERALL - 2ND FLOOR PLAN
A2.21 2ND FLOOR - SECTOR 1 - FLOOR PLAN
A2.22 2ND FLOOR - SECTOR 2 - FLOOR PLAN
A2.23 2ND FLOOR - SECTOR 3 - FLOOR PLAN
A2.30 OVERALL - 3RD FLOOR PLAN
A2.31 3RD FLOOR - SECTOR 1 - FLOOR PLAN
A2.40 ROOF - OVERALL - ROOF PLAN
A2.41 ROOF - SECTOR 1 - ROOF PLAN
A2.42 ROOF - SECTOR 2 - ROOF PLAN
A2.43 ROOF - SECTOR 3 - ROOF PLAN
A2.44 ROOF - SECTOR 4 - ROOF PLAN
A2.83 CURTAINWALL ELEVATIONS
A2.84 EXTERIOR STOREFRONT ELEVATIONS
A2.85 EXTERIOR STOREFONT ELEVATIONS
A2.86 INTERIOR STOREFRONT ELEVATIONS
A2.87 INTERIOR STOREFRONT ELEVATIONS
A3.00 EXTERIOR PERSPECTIVES
A3.01 OVERALL EXTERIOR ELEVATIONS
A3.02 EXTERIOR ELEVATIONS
A3.03 EXTERIOR ELEVATIONS
A3.04 EXTERIOR ELEVATIONS
A3.05 EXTERIOR ELEVATIONS
A3.06 EXTERIOR ELEVATIONS
A3.07 EXTERIOR ELEVATIONS
A3.08 EXTERIOR ELEVATIONS
A3.09 EXTERIOR ELEVATIONS
A3.10 EXTERIOR ELEVATIONS
A3.11 EXTERIOR ELEVATIONS
A3.12 EXTERIOR ELEVATIONS
A3.20 OVERALL BUILDING SECTIONS
A3.21 OVERALL BUILDING SECTIONS
A3.31 WALL SECTIONS
A3.32 ENLARGED ELEVATION AND WALL SECTIONS
A3.33 ENLARGED ELEVATION AND WALL SECTIONS
A3.35 ENLARGED ELEVATION AND WALL SECTIONS
A3.36 ENLARGED ELEVATION AND WALL SECTIONS
A3.37 WALL SECTIONS - SECTOR 4
A3.40 WALL SECTIONS
A3.41 WALL SECTIONS
A4.02 ENLARGED RESTROOM PLANS
A4.03 ENLARGED RESTROOM PLANS
A4.04 ENLARGED ENGLISH WELCOME DESK
A4.05 ENLARGED PLANS
A4.06 PROGRAM PLAN EXPORTS
A5.00 INTERIOR PERSPECTIVES
A5.10 1ST FLOOR - INTERIOR ELEVATIONS
A5.11 1ST FLOOR - INTERIOR ELEVATIONS
A5.12 1ST FLOOR - INTERIOR ELEVATIONS
A5.13 1ST FLOOR - INTERIOR ELEVATIONS
A5.14 1ST FLOOR - INTERIOR ELEVATIONS
A5.15 1ST FLOOR - INTERIOR ELEVATIONS
A5.16 1ST FLOOR - INTERIOR ELEVATIONS
A5.17 1ST FLOOR - INTERIOR ELEVATIONS
A5.20 2ND FLOOR - INTERIOR ELEVATIONS
A5.21 2ND FLOOR - INTERIOR ELEVATIONS
A5.22 2ND FLOOR - INTERIOR ELEVATIONS
A5.23 2ND FLOOR - INTERIOR ELEVATIONS
A5.24 2ND FLOOR - INTERIOR ELEVATIONS
A5.25 2ND FLOOR - INTERIOR ELEVATIONS
A5.26 2ND FLOOR - INTERIOR ELEVATIONS
A5.30 3RD FLOOR - INTERIOR ELEVATIONS
A5.31 3RD FLOOR - INTERIOR ELEVATIONS
A6.11 1ST FLOOR - SECTOR 1 - RCP
A6.12 1ST FLOOR - SECTOR 2 - RCP
A6.13 1ST FLOOR - SECTOR 3 - RCP
A6.14 1ST FLOOR - SECTOR 4 - RCP
A6.21 2ND FLOOR - SECTOR 1 - RCP
A6.22 2ND FLOOR - SECTOR 2 - RCP
A6.23 2ND FLOOR - SECTOR 3 - RCP
A6.31 3RD FLOOR - SECTOR 1 - RCP
A7.01 SECTOR 1 - STAIR 1 PLANS AND SECTIONS
A7.02 SECTOR 1 - STAIR 2 PLANS AND SECTIONS
A7.03 SECTOR 2 - STAIR 3 FLOOR PLANS
A7.04 SECTOR 2 - STAIR 3 SECTIONS
A7.05 SECTOR 2 - STAIR 4 PLANS AND SECTIONS
A7.06 SECTOR 3 - STAIR 5 PLANS AND SECTIONS
A7.07 SECTOR 1 - ELEVATOR 1 PLANS AND SECTIONS
A7.08 SECTOR 3 - ELEVATOR 2 PLANS AND SECTIONS
A7.09 MECHANICAL SHAFT ENLARGED PLANS

ARCHITECTURAL - INTERIOR
ID2.51 1ST FLOOR - SECTOR 1 - FINISH PLAN
ID2.52 1ST FLOOR - SECTOR 2 - FINISH PLAN
ID2.53 1ST FLOOR - SECTOR 3 - FINISH PLAN
ID2.54 1ST FLOOR- SECTOR 4 - FINISH PLAN
ID2.61 2ND FLOOR - SECTOR 1 - FINISH PLAN
ID2.62 2ND FLOOR - SECTOR 2 - FINISH PLAN
ID2.63 2ND FLOOR - SECTOR 3 - FINISH PLAN
ID2.64 3RD FLOOR- SECTOR 1 - FINISH PLAN
ID2.65 FINISH LEGEND
ID2.71 1ST FLOOR- SECTOR 1 - FURNITURE PLAN
ID2.72 1ST FLOOR- SECTOR 2 - FURNITURE PLAN
ID2.73 1ST FLOOR- SECTOR 3 - FURNITURE PLAN
ID2.74 1ST FLOOR- SECTOR 4 - FURNITURE PLAN
ID2.81 2ND FLOOR- SECTOR 1 - FURNITURE PLAN
ID2.82 2ND FLOOR- SECTOR 2 - FURNITURE PLAN
ID2.83 2ND FLOOR- SECTOR 3 - FURNITURE PLAN
ID2.84 3RD FLOOR- SECTOR 1 - FURNITURE PLAN

STRUCTURAL
S000 COVER SHEET & DRAWING LIST
S1.01 GENERAL STRUCTURAL NOTES
S1.02 GENERAL STRUCTURAL NOTES
S2.11 LEVEL 01 - SECTOR 1
S2.12 LEVEL 01 - SECTOR 2
S2.13 LEVEL 01 - SECTOR 3
S2.14 LEVEL 01 - SECTOR 4
S2.21 LEVEL 02 - SECTOR 1
S2.22 LEVEL 02 - SECTOR 2
S2.23 LEVEL 02 - SECTOR 3
S2.24 ROOF - SECTOR 4
S2.31 LEVEL 03 - SECTOR 1
S2.32 ROOF - SECTOR 2
S2.33 ROOF - SECTOR 3
S2.41 ROOF - SECTOR 1
S3.01 BRACE FRAME ELEVATIONS
S3.11 BRACE FRAME ELEVATIONS
S3.12 BRACE FRAME ELEVATIONS
S3.13 BRACE FRAME ELEVATIONS
S4.00 LAP, DEVELOPMENT AND SPREAD FOOTING SCHEDULES
S4.01 TYPICAL SHALLOW FOOTING DETAILS
S4.02 TYPICAL SLAB - ON - GRADE DETAILS
S4.03 BRACED FRAME FOOTING DETAILS
S5.00 TYPICAL STEEL BASE PLATE DETAILS
S5.01 TYPICAL STEEL BEAM DETAILS
S5.02 TYPICAL STEEL BEAM DETAILS
S5.03 TYPICAL STEEL BEAM DETAILS
S5.06 ELEVATOR DETAILS
S5.10 TYPICAL STEEL DECK DETAILS
S5.11 TYPICAL STEEL DECK DETAILS
S5.12 TYPICAL STEEL DECK DETAILS
S5.20 BUCKLING RESTRAINED BRACED FRAME DETAILS
S5.21 BUCKLING RESTRAINED BRACED FRAME DETAILS
S6.00 TYPICAL EXTERIOR METAL STUD DETAILS
S6.01 TYPICAL EXTERIOR METAL STUD DETAILS
S6.02 TYPICAL EXTERIOR METAL STUD DETAILS
S6.10 TYPICAL INTERIOR METAL STUD DETAILS
S6.11 TYPICAL INTERIOR METAL STUD DETAILS
S6.20 TYPICAL INTERIOR SOFFIT AND CEILING DETAILS
S6.21 TYPICAL METAL STUD DETAILS
S6.22 TYPICAL METAL STUD DETAILS

MECHANICAL
M0.01 SYMBOL LIST AND GENERAL NOTES - MECHANICAL
M0.02 SCHEDULES - MECHANICAL
M0.03 SCHEDULES - MECHANICAL

MECHANICAL - SITE
M1.00 SITE PLAN - MECHANICAL

MECHANICAL - DEMOLITION
MD2.14 DEMOLITION - 1ST FLOOR SECTOR 4 - MECHANICAL

MECHANICAL - ZONING
MZ2.10 FIRST FLOOR ZONING PLAN - MECHANICAL
MZ2.20 SECOND FLOOR ZONING PLAN - MECHANICAL
MZ2.30 THIRD FLOOR ZONING PLAN - MECHANICAL

MECHANICAL
M2.10 FIRST FLOOR PLAN
M2.11 1ST FLOOR - SECTOR 1 - FLOOR PLAN
M2.12 1ST FLOOR - SECTOR 2 - FLOOR PLAN
M2.13 1ST FLOOR - SECTOR 3 - FLOOR PLAN
M2.14 1ST FLOOR - SECTOR 3 - FLOOR PLAN
M2.20 SECOND FLOOR PLAN - MECHANICAL
M2.21 2ND FLOOR - SECTOR 1 - FLOOR PLAN
M2.22 2ND FLOOR - SECTOR 2 - FLOOR PLAN
M2.23 2ND FLOOR - SECTOR 3 - FLOOR PLAN
M2.24 2ND FLOOR - SECTOR 3 - ROOF PLAN
M2.30 THIRD FLOOR PLAN - MECHANICAL
M2.31 3RD FLOOR - SECTOR 1 - FLOOR PLAN
M2.40 ROOF PLAN - MECHANICAL
M2.41 ROOF - SECTOR 1
M2.42 ROOF - SECTOR 2
M2.43 ROOF - SECTOR 3
M3.10 FIRST FLOOR PIPING PLAN - MECHANICAL
M3.11 1ST FLOOR - SECTOR 1 - PIPING PLAN
M3.12 1ST FLOOR - SECTOR 2 - PIPING PLAN
M3.13 1ST FLOOR - SECTOR 3 - PIPING PLAN
M3.14 1ST FLOOR - SECTOR 4 - PIPING PLAN
M3.20 SECOND FLOOR PIPING PLAN - MECHANICAL
M3.21 2ND FLOOR - SECTOR 1 PIPING PLAN
M3.22 2ND FLOOR - SECTOR 2 - PIPING PLAN
M3.30 3RD FLOOR - PIPING PLAN
M3.40 ROOF PIPING PLAN
M3.41 ROOF - SECTOR 1 - PIPING PLAN
M3.42 2ND FLOOR - SECTOR 2 - PIPING PLAN
M3.43 2ND FLOOR - SECTOR 3 - PIPING PLAN
M3.44 ROOF - SECTR 4 - PIPING PLAN
M5.01 DIAGRAMS
M5.02 DIAGRAMS
M5.03 DIAGRAMS

PLUMBING
P0.01 SYMBOL LIST AND GENERAL NOTES - PLUMBING
P0.02 SCHEDULE PLUMBING
P2.11 1ST FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING
P2.12 1ST FLOOR - SECTOR 2 - FLOOR PLAN - PLUMBING
P2.13 1ST FLOOR - SECTOR 3 - FLOOR PLAN - PLUMBING
P2.14 1ST FLOOR - SECTOR 4 - FLOOR PLAN - PLUMBING
P2.21 2ND FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING
P2.22 2ND FLOOR - SECTOR 2 - FLOOR PLAN - PLUMBING
P2.23 2ND FLOOR - SECTOR 3 - FLOOR PLAN - PLUMBING
P2.31 3RD FLOOR - SECTOR 1- PLUMBING PLAN
P2.41 ROOF - SECTOR 1 - ROOF PLAN - PLUMBING

ELECTRICAL
E0.01 SYMBOL LIST AND GERERAL NOTES
E0.02 LUMINAIRE SCHEDULE AND CONTROL MATIX
E1.00 SYMBOL LIST AND GENERAL NOTES - ELECTRICAL
ED2.54 DEMOLITION 1ST FLOOR SECTOR 4 LIGHTING
ED3.54 DEMOLITION 1ST FLOOR SECTOR 4 POWER

ELECTRICAL
E2.11 FIRST FLOOR PLAN - SECTOR 1 - LIGHTING
E2.12 FIRST FLOOR PLAN - SECTOR 2 - LIGHTING
E2.13 FIRST FLOOR PLAN - SECTOR 3 - LIGHTING
E2.14 FIRST FLOOR PLAN - SECTOR 4 - LIGHTING
E2.21 SECOND FLOOR PLAN - SECTOR 1 - LIGHTING
E2.22 SECOND FLOOR PLAN - SECTOR 2 - LIGHTING
E2.23 SECOND FLOOR PLAN - SECTOR 3 - LIGHTING
E2.31 THIRD FLOOR PLAN - SECTOR 1 - LIGHTING
E3.11 FIRST FLOOR PLAN - ELECTRICAL
E3.12 SECOND FLOOR PLAN - ELECTRICAL
E3.13 THIRD FLOOR PLAN - ELECTRICAL
E3.14 ROOF PLAN - ELECTRICAL
E3.21 2ND FLOOR SECTOR 1 POWER
E3.22 2ND FLOOR SECTOR 2 POWER
E3.23 2ND FLOOR SECTOR 3 POWER
E3.31 3RD FLOOR SECTOR 1 POWER
E3.41 ROOF SECTOR 1 POWER
E3.42 ROOF SECTOR 2 POWER
E3.43 ROOF SECTOR 3 POWER
E3.44 ROOF SECTOR 4 POWER
E5.01 SINGLE LINE DIAGRAM - ELECTRICAL
E5.02 SINGLE LINE DIAGRAM - ELECTRICAL

FIRE ALARM - GENERAL
FA0.01 SYMBOL LIST AND GENERAL NOTES - FIRE ALARM

FIRE ALARM - DEMOLITION
FAD2.54 DEMOLITION - 1ST FLOOR SECTOR 4 - FIRE ALARM

FIRE ALARM
FA2.11 1ST FLOOR - SECTOR 1 - FLOOR PLAN - FIRE ALARM
FA2.12 1ST FLOOR - SECTOR 2 - FLOOR PLAN - FIRE ALARM
FA2.13 1ST FLOOR - SECTOR 3 - FLOOR PLAN - FIRE ALARM
FA2.14 1ST FLOOR - SECTOR 4 - FLOOR PLAN - FIRE ALARM
FA2.21 2ND FLOOR - SECTOR 1 - FLOOR PLAN - FIRE ALARM
FA2.22 2ND FLOOR - SECTOR 2 - FLOOR PLAN - FIRE ALARM
FA2.23 2ND FLOOR - SECTOR 3 - FLOOR PLAN - FIRE ALARM
FA2.31 3RD FLOOR - SECTOR 1 - FLOOR PLAN - FIRE ALARM
FA2.41 ROOF - SECTOR 1 -ROOF PLAN - FIRE ALARM
FA2.42 ROOF - SECTOR 2 - ROOF PLAN - FIRE ALARM
FA2.43 ROOF - SECTOR 3 - ROOF PLAN - FIRE ALARM
FA5.01 SINGLE LINE DIAGRAM - FIRE ALARM

FIRE PROTECTION
FP0.01 SYMBOL LIST AND GENERAL NOTES -FIRE PROTECTION
FP1.04 ROOF FLOOR PLAN - FIRE PROTECTION
FP2.10 1ST FLOOR PLAN - FIRE PROTECTION
FP2.10A 1ST FLOOR PLAN - FIRE PROTECTION RCP
FP2.11 1ST FLOOR - SECTOR 1- FLOOR PLAN
FP2.11A 1ST FLOOR - SECTOR 1- RCP
FP2.12 1ST FLOOR - SECTOR 2- FLOOR PLAN
FP2.12A 1ST FLOOR - SECTOR 2- RCP
FP2.13 1ST FLOOR - SECTOR 3- FLOOR PLAN
FP2.13A 1ST FLOOR - SECTOR 3- RCP
FP2.14 1ST FLOOR - SECTOR 4- FLOOR PLAN
FP2.14A 1ST FLOOR - SECTOR 4- RCP
FP2.20 2ND FLOOR PLAN - FIRE PROTECTION
FP2.20A 2ND FLOOR PLAN - FIRE PROTECTION RCP
FP2.21 2ND FLOOR - SECTOR 1 - FLOOR PLAN
FP2.21A 2ND FLOOR - SECTOR 1 - RCP
FP2.22 2ND FLOOR - SECTOR 2 - FLOOR PLAN
FP2.22A 2ND FLOOR - SECTOR 2 - RCP
FP2.23 2ND FLOOR - SECTOR 3 - FLOOR PLAN
FP2.23A 2ND FLOOR - SECTOR 3 - RCP
FP2.30 3RD FLOOR PLAN - FIRE PROTECTION
FP2.30A 3RD FLOOR PLAN - RCP
FP2.31 3RD FLOOR - SECTOR 1 - FLOOR PLAN
FP2.31A 3RD FLOOR - SECTOR 1 - RCP

TECHNOLOGY
T0.01 SYMBOL LIST AND GENERAL NOTES - TECHNOLOGY

TECHNOLOGY - DEMOLITION
TD2.10 DEMOLITION - 1ST FLOOR SECTOR 4 - TECHNOLOGY

TECHNOLOGY
T2.10 FIRST FLOOR PLAN - TECHNOLOGY
T2.11A 1ST FLOOR - SECTOR 1 - FLOOR PLAN - TECHNOLOGY
T2.11B 1ST FLOOR - SECTOR 1 - CEILING PLAN - TECHNOLOGY
T2.12A 1ST FLOOR - SECTOR 2 - FLOOR PLAN - TECHNOLOGY
T2.12B 1ST FLOOR - SECTOR 2 - CEILING PLAN - TECHNOLOGY
T2.13A 1ST FLOOR - SECTOR 3 - FLOOR PLAN - TECHNOLOGY
T2.13B 1ST FLOOR - SECTOR 3 - CEILING PLAN - TECHNOLOGY
T2.14A 1ST FLOOR - SECTOR 4 - FLOOR PLAN - TECHNOLOGY
T2.14B 1ST FLOOR - SECTOR 4 - CEILING PLAN - TECHNOLOGY
T2.20 SECOND FLOOR PLAN - TECHNOLOGY
T2.21A 2ND FLOOR - SECTOR 1 - FLOOR PLAN - TECHNOLOGY
T2.21B 2ND FLOOR - SECTOR 1 - CEILING PLAN - TECHNOLOGY
T2.22A 2ND FLOOR - SECTOR 2 - FLOOR PLAN - TECHNOLOGY
T2.22B 2ND FLOOR - SECTOR 2 - CEILING PLAN - TECHNOLOGY
T2.23A 2ND FLOOR - SECTOR 3 - FLOOR PLAN - TECHNOLOGY
T2.23B 2ND FLOOR - SECTOR 3 - CEILING PLAN - TECHNOLOGY
T2.30 THIRD FLOOR PLAN - TECHNOLOGY
T2.31A 3RD FLOOR - SECTOR 1 - FLOOR PLAN - TECHNOLOGY
T2.31B 3RD FLOOR - SECTOR 1 - CEILING PLAN - TECHNOLOGY
T3.01 ENLARGED AND ELEVATION PLAN - TECHNOLOGY
T3.02 ENLARGED AND ELEVATION PLAN - TECHNOLOGY
T3.03 ENLARGED AND ELEVATION PLAN - TECHNOLOGY
T4.01 SINGLE LINE - TECHNOLOGY
T5.01 DETAILS - TECHNOLOGY
T5.02 DETAILS - TECHNOLOGY
T5.03 DETAILS - TECHNOLOGY

AV
AV0.01 SYMBOL LIST AND GENERAL NOTES - AV
AV2.10 FIRST FLOOR PLAN - AV
AV2.11 FIRST FLOOR REFLECTED CEILING PLAN - AV
AV2.20 SECOND FLOOR PLAN - AV
AV2.21 SECOND FLOOR REFLECTED CEILING PLAN - AV
AV2.30 THIRD FLOOR PLAN - AV
AV2.31 THIRD FLOOR REFLECTED CEILING PLAN - AV
AV4.01 SINGLE LINE DIAGRAMS - AV
AV5.01 DETAILS - AV

SECURITY
SC0.01 SYMBOLS LIST AND GENERAL NOTES - SECURITY
SC2.10 FIRST FLOOR PLAN - SECURITY
SC2.11 FIRST FLOOR REFLECTED CEILING PLAN - SECURITY
SC2.20 SECOND FLOOR PLAN - SECURITY
SC2.21 SECOND FLOOR REFLECTED CEILING PLAN - SECURITY
SC2.30 THIRD FLOOR PLAN - SECURITY
SC2.31 THIRD FLOOR REFLECTED CEILING PLAN - SECURITY
SC4.10 SINGLE LINE DIAGRAMS - SECURITY
SC5.01 DETAILS - SECURITY
SC5.02 DETAILS - SECURITY

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

SHEET INDEX

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

G0.04

DESIGN DEVELOPMENT SET

DEPARTMENT	ROOM NAME	ROOM NUMBER	NET AREA PER PLAN	PROGRAM AREA	DELTA	NOTES
CLASSROOMS	CLASSROOM	C102	921	1000	0.92	
CLASSROOMS	CLASSROOM	C106	921	1000	0.92	
CLASSROOMS	CLASSROOM	C108	921	1000	0.92	
CLASSROOMS	CLASSROOM	C110	940	1000	0.94	
CLASSROOMS	CLASSROOM	C104	940	1000	0.94	
CLASSROOMS	CLASSROOM	C103	990	1000	0.99	
CLASSROOMS	CLASSROOM	C105	951	1000	0.95	
CLASSROOMS	CLASSROOM	C107	355	1000	0.36	
CLASSROOMS	CLASSROOM	C109	279	1000	0.28	
CLASSROOMS	CLASSROOM	C111	971	1000	0.97	
CLASSROOMS	RECEPTION	C121	368	320	1.15	
CLASSROOMS	ENGLISH WAITING	C122	128	180	0.71	
COMPUTER SCIENCE	COMPUTER STUDY LAB	C204	1135	1200	0.95	
COMPUTER SCIENCE	CNT ROOM	C203	1008	1000	1.01	
COMPUTER SCIENCE	COMPUTER STUDY LAB	C202	1113	1200	0.93	
COMPUTER SCIENCE	COMPUTER STUDY LAB	C206	1111	1200	0.93	
COMPUTER SCIENCE	COMPUTER STUDY LAB	C208	1111	1200	0.93	
COMPUTER SCIENCE	COMPUTER STUDY LAB	C210	1135	1200	0.95	
COMPUTER SCIENCE	WORKROOM	C215	287	150	1.91	
COMPUTER SCIENCE	OPEN COMPUTER LAB	C207	2908	3000	0.97	
COMPUTER SCIENCE	COMPUTER APPLICATION LAB	C205	1466	1500	0.98	
COMPUTER SCIENCE	BREAKOUT ROOM	C212	121	150	0.81	
COMPUTER SCIENCE	BREAKOUT ROOM	C217	119	150	0.79	
FACULTY	HONORS COORD. OFFICE	B224	117	600	0.20	
FACULTY	STAFF WORK	A110	219	200	1.10	
FACULTY	FACULTY OFFICE	A308	99	99	1.00	
FACULTY	FACULTY OFFICE	A112	99	99	1.00	
FACULTY	FACULTY OFFICE	A117	99	99	1.00	
FACULTY	FACULTY OFFICE	A119	99	99	1.00	
FACULTY	FACULTY OFFICE	A120	99	99	1.00	
FACULTY	FACULTY OFFICE	A121	99	99	1.00	
FACULTY	CONFERENCE ROOM (20)	A125	532	360	1.48	
FACULTY	FACULTY OFFICE	A137	100	99	1.01	
FACULTY	FACULTY OFFICE	A136	99	99	1.00	
FACULTY	FACULTY OFFICE	A135	98	99	0.99	
FACULTY	FACULTY OFFICE	A116	99	99	1.00	
FACULTY	FACULTY OFFICE	A123	99	99	1.00	
FACULTY	FACULTY OFFICE	A229	101	99	1.02	
FACULTY	FACULTY OFFICE	A326	99	99	1.00	
FACULTY	FACULTY OFFICE	A323	99	99	1.00	
FACULTY	SHARED FACULTY OFFICE	A320	195	200	0.98	
FACULTY	CONFERENCE ROOM	A225	603	360	1.68	
FACULTY	CONFERENCE ROOM	A238	262	280	0.94	
FACULTY	FACULTY OFFICE	A237	100	99	1.01	
FACULTY	FACULTY OFFICE	A236	99	99	1.00	
FACULTY	FACULTY OFFICE	A235	98	99	0.99	
FACULTY	FACULTY OFFICE	A233	99	99	1.00	
FACULTY	FACULTY OFFICE	A231	99	99	1.00	
FACULTY	CONFERENCE ROOM	A209	119	120	0.99	
FACULTY	FACULTY OFFICE	A212	99	99	1.00	
FACULTY	FACULTY OFFICE	A216	99	99	1.00	
FACULTY	FACULTY OFFICE	A219	99	99	1.00	
FACULTY	FACULTY OFFICE	A220	99	99	1.00	
FACULTY	FACULTY OFFICE	A221	99	99	1.00	
FACULTY	FACULTY OFFICE	A223	99	99	1.00	
FACULTY	FACULTY OFFICE	A224	99	99	1.00	
FACULTY	CONFERENCE ROOM	A335	182	180	1.01	
FACULTY	CONFERENCE ROOM - 24	A327	603	440	1.37	
FACULTY	FACULTY OFFICE	A325	99	99	1.00	
FACULTY	FACULTY OFFICE	A321	99	99	1.00	
FACULTY	FACULTY OFFICE	A319	99	99	1.00	
FACULTY	FACULTY OFFICE	A317	99	99	1.00	
FACULTY	FACULTY OFFICE	A312	99	99	1.00	
FACULTY	FACULTY OFFICE	A302	99	99	1.00	
FACULTY	FACULTY OFFICE	A301	99	99	1.00	
FACULTY	STAFF LOUNGE	A218	655	550	1.19	
FACULTY	KITCH.	A629	59	60	0.98	
FACULTY	FACULTY OFFICE	A132	99	99	1.00	
FACULTY	CONFERENCE ROOM (10)	A138	227	280	0.81	
FACULTY	FACULTY OFFICE	A230	99	99	1.00	
FACULTY	FACULTY OFFICE	A228	99	99	1.00	
FACULTY	FACULTY OFFICE	A232	99	99	1.00	
FACULTY	DEAN'S OFFICE	A338	293	300	0.98	
FACULTY	FACULTY OFFICE	A336	99	99	1.00	
FACULTY	FACULTY OFFICE	A334	99	99	1.00	
FACULTY	FACULTY OFFICE	A332	99	99	1.00	
FACULTY	FACULTY OFFICE	A330	98	99	0.99	
FACULTY	FACULTY OFFICE	A134	99	99	1.00	
FACULTY	FACULTY OFFICE	A130	98	99	0.99	
FACULTY	FACULTY OFFICE	A234	99	99	1.00	
FACULTY	PART-TIME FACULTY	A122	556	550	1.01	
FACULTY	DEAN'S CLASSIFIED STAFF	A337	192	160	1.20	
FACULTY	DEAN'S WAITING AREA	A337	224	264	0.85	
FACULTY	DEAN'S STORAGE	A333	136	120	1.13	
FACULTY	FACULTY OFFICE	A303	99	99	1.00	
FACULTY	STAFF SPACE	A337	60	36	1.67	
FACULTY	FACULTY OFFICE	A133	99	99	1.00	
FACULTY	FACULTY OFFICE	A131	99	99	1.00	
FACULTY	FACULTY OFFICE	A203	99	99	1.00	
FACULTY	FACULTY OFFICE	A316	99	99	1.00	
FACULTY	FACULTY OFFICE	A104	99	99	1.00	
FACULTY	FACULTY OFFICE	A204	99	99	1.00	
FACULTY	FACULTY OFFICE	A202	99	99	1.00	
FACULTY	FACULTY OFFICE	A201	99	99	1.00	
FACULTY	STAFF WORK	A210	148	200	0.74	
FACULTY	FACULTY OFFICE	A103	99	99	1.00	
FACULTY	FACULTY OFFICE	A102	99	200	0.50	
FACULTY	FACULTY OFFICE	A101	99	99	1.00	
FACULTY	FACULTY OFFICE	A105	99	280	0.35	
FACULTY	FACULTY OFFICE	A106	99	99	1.00	
FACULTY	STAFF WORKROOM	A310	149	200	0.75	
FACULTY	FACULTY OFFICE	A311	98	99	0.99	
FACULTY	FACULTY OFFICE	A205	99	99	1.00	
FACULTY	FACULTY OFFICE	A206	99	99	1.00	
FACULTY	FACULTY OFFICE	A304	99	99	1.00	
FACULTY	FACULTY OFFICE	A305	99	99	1.00	
FACULTY	FACULTY OFFICE	A306	99	99	1.00	
FACULTY	FACULTY OFFICE	A217	99	99	1.00	
FACULTY	FACULTY OFFICE	A111	98	99	0.99	
FACULTY	FACULTY OFFICE	A211	97	99	0.98	
FACULTY	SHARED FACULTY OFFICE	A322	195	200	0.98	
FACULTY	SHARED FACULTY	A118	195	200	0.98	
FACULTY	FACULTY OFFICE	A208	99	99	1.00	
FACULTY	FACULTY OFFICE	A124	99	99	1.00	
FACULTY	PART-TIME FACULTY	A329	132	130	1.02	
FACULTY	PART-TIME FACULTY	A226	133	130	1.02	
FACULTY	KITCH.	A699	71	60	1.18	

DEPARTMENT	ROOM NAME	ROOM NUMBER	NET AREA PER PLAN	PROGRAM AREA	DELTA	NOTES
FACULTY	CONFERENCE ROOM	A309	120	120	1.00	
FACULTY	FACULTY OFFICE	A129	101	99	1.02	
FACULTY	FACULTY OFFICE	A128	99	99	1.00	
FACULTY	SHARED FACULTY OFFICE	A318	195	200	0.98	
FACULTY	HONORS LOUNGE	B225	438	600	0.73	
SHARED SPACE	OPEN COLLABORATION AND GATHERING 1	B102	1001	1000	1.00	
SHARED SPACE	GRAB AND GO ALCOVE	E212	152	150	1.01	
TUTORING	PROCTORING	B104	938	960	0.98	
TUTORING	PROCTOR OBSERVATION	B105	174	160		
TUTORING	MATH EMPORIUM	B108	1580	1500	1.05	
TUTORING	EMPORIUM STAFF	B106	184	180	1.02	
TUTORING	MATH LEARNING CENTER	B110	2368	2920	0.81	
TUTORING	MATH STORAGE	B107	176	200	0.88	
TUTORING	MATH STUDY ROOM	B111	168	150	1.12	
TUTORING	STUDENT SUPPORT/SERVICE AREA	B212	158	180	0.88	
TUTORING	TUTORING OPEN AREA	B203	4229	3200	1.32	
TUTORING	MLC STUDY ROOM	B113	265	280	0.95	
TUTORING	MLC STUDY ROOM	B112	167	150	1.11	
TUTORING	TUT. STAFF	B214	101	100	1.01	
TUTORING	STUDY ROOM	B213	120	120	1.00	
TUTORING	STUDY ROOM	B215	216	280	0.77	
TUTORING	CHEM/BIO STUDY ROOM	B216	274	280	0.98	
TUTORING	STUDY ROOM	B205	180	180	1.00	
TUTORING	PROCT. CHECK IN	B103	71			
TUTORING	WORKROOM COMBINED TUTORING + RAW	B210	240	260	0.92	
TUTORING	TUT. COORD. OFFICE	B204	165	100	1.65	
TUTORING	STUDY ROOM	B206	180	180	1.00	
TUTORING	STUDY ROOM	B218	98	120	0.82	
TUTORING	WAITING AREA	B202	300	300	1.00	
TUTORING	STUDY ROOM	B211	120	120	1.00	
TUTORING	RAW STUDY	B208	120	120	1.00	
TUTORING	RAW COORD. OFFICE	A207	108	100	1.08	
TUTORING	STUDY ROOM	B219	98	120	0.82	
TUTORING	STUDY ROOM	B220	98	120	0.82	
TUTORING	STUDY ROOM	B307	181	180	1.01	
TUTORING	STUDY ROOM	B308	123	120	1.03	
TUTORING	STUDY ROOM	B304	107	120	0.89	
TUTORING	OPEN WAITING AREA	B204	247	300	0.82	
TUTORING	TUTOR CHECK-IN	B203	112	100	1.12	
TUTORING	STUDY ROOM	B306	107	120	0.89	
CIRCULATION / NON-ASSIGNABLE	SECOND FLOOR LOBBY	B201	1606			
CIRCULATION / NON-ASSIGNABLE	ELEC	B118	78			
CIRCULATION / NON-ASSIGNABLE	FIRE RISER RM 2	B117	64			
CIRCULATION / NON-ASSIGNABLE	IDF	B223	118			
CIRCULATION / NON-ASSIGNABLE	ELECT.	B221	116			
CIRCULATION / NON-ASSIGNABLE	IDF	C211	170			
CIRCULATION / NON-ASSIGNABLE	WOMENS	C216	250			
CIRCULATION / NON-ASSIGNABLE	MENS	C214	250			
CIRCULATION / NON-ASSIGNABLE	CUST.	B222	95			
CIRCULATION / NON-ASSIGNABLE	CUSTODIAL	C209	119			
CIRCULATION / NON-ASSIGNABLE	STAIR 4	S104	73			
CIRCULATION / NON-ASSIGNABLE	STAIR 4	S204	145			
CIRCULATION / NON-ASSIGNABLE	STAIR 5	S105	198			
CIRCULATION / NON-ASSIGNABLE	IDF/DATA	C120	179			
CIRCULATION / NON-ASSIGNABLE	ELECTRICAL	C119	214			
CIRCULATION / NON-ASSIGNABLE	CUST	C117	103			
CIRCULATION / NON-ASSIGNABLE	FAMILY RESTROOM	C113	99			
CIRCULATION / NON-ASSIGNABLE	ELEV. 2	E102	63			
CIRCULATION / NON-ASSIGNABLE	ELEV MACHINE	C118	58			
CIRCULATION / NON-ASSIGNABLE	MEN'S	C114	280			
CIRCULATION / NON-ASSIGNABLE	WOMEN'S	C116	276			
CIRCULATION / NON-ASSIGNABLE	STAIR	S202	284			
CIRCULATION / NON-ASSIGNABLE	STAIR 2	S302	204			
CIRCULATION / NON-ASSIGNABLE	ELEV. 1	S303	59			
CIRCULATION / NON-ASSIGNABLE	BDF ROOM	A126	183			
CIRCULATION / NON-ASSIGNABLE	MECHANICAL	A143	183			
CIRCULATION / NON-ASSIGNABLE	TOILET	A214	89			
CIRCULATION / NON-ASSIGNABLE	TOILET	A314	89			
CIRCULATION / NON-ASSIGNABLE	TOILET	A315	87			
CIRCULATION / NON-ASSIGNABLE	ELEC RM	A222	132			
CIRCULATION / NON-ASSIGNABLE	IDF	A227	134			
CIRCULATION / NON-ASSIGNABLE	ELEC. RM	A324	116			
CIRCULATION / NON-ASSIGNABLE	CORR.	A240	1737			
CIRCULATION / NON-ASSIGNABLE	ELECTRICAL	A142	365			
CIRCULATION / NON-ASSIGNABLE	IDF	A331	130			
CIRCULATION / NON-ASSIGNABLE	CORR.	A141	514			
CIRCULATION / NON-ASSIGNABLE	ELEV. 1	E101	61			
CIRCULATION / NON-ASSIGNABLE	MACH RM	A107	77			
CIRCULATION / NON-ASSIGNABLE	CUST	A109	105			
CIRCULATION / NON-ASSIGNABLE	TOILET	A215	87			
CIRCULATION / NON-ASSIGNABLE	STAIR 1	S301	222			
CIRCULATION / NON-ASSIGNABLE	LAC RM	A108	99			
CIRCULATION / NON-ASSIGNABLE	STAIR 1	S201	222			
CIRCULATION / NON-ASSIGNABLE	STAIR 1	S101	332			
CIRCULATION / NON-ASSIGNABLE	STAIR 2	S102	284			
CIRCULATION / NON-ASSIGNABLE	TOILET	A115	86			
CIRCULATION / NON-ASSIGNABLE	TOILET	A114	90			
CIRCULATION / NON-ASSIGNABLE	NORTH LOBBY	A139	129			
CIRCULATION / NON-ASSIGNABLE	NORTH LOBBY	A239	120			
CIRCULATION / NON-ASSIGNABLE	CORR.	A340	1533			
CIRCULATION / NON-ASSIGNABLE	CUST.	A307	74			
CIRCULATION / NON-ASSIGNABLE	CUST.	A207	74			
CIRCULATION / NON-ASSIGNABLE	ELEV. 1	E201	59			
CIRCULATION / NON-ASSIGNABLE	LOBBY	A339	204			
CIRCULATION / NON-ASSIGNABLE	ELEV	E202	69			
CIRCULATION / NON-ASSIGNABLE	CHASE	E204	48			
CIRCULATION / NON-ASSIGNABLE	WEST LOBBY	C101	474			
CIRCULATION / NON-ASSIGNABLE	2ND FLOOR WEST LOBBY	C201	325			
CIRCULATION / NON-ASSIGNABLE	CORR.	C223	1783			
CIRCULATION / NON-ASSIGNABLE	CORR.	C123	1718			
CIRCULATION / NON-ASSIGNABLE	CORR.	C123	166			
CIRCULATION / NON-ASSIGNABLE	STAIR 5	S205	236			
CIRCULATION / NON-ASSIGNABLE	OPEN TO BELOW	S206	141			
CIRCULATION / NON-ASSIGNABLE	CHASE	S207	57			
CIRCULATION / NON-ASSIGNABLE	CHASE	S208	57			
CIRCULATION / NON-ASSIGNABLE	CHASE	E205	48			
CIRCULATION / NON-ASSIGNABLE	CHASE	E207	27			
CIRCULATION / NON-ASSIGNABLE	CHASE	E211	26			
CIRCULATION / NON-ASSIGNABLE	CHASE	S304	11			
CIRCULATION / NON-ASSIGNABLE	CORR.	A140	693			
CIRCULATION / NON-ASSIGNABLE	CORR	A142	575			
CIRCULATION / NON-ASSIGNABLE	CHASE	S305	38			
CIRCULATION / NON-ASSIGNABLE	CHASE	S306	53			
CIRCULATION / NON-ASSIGNABLE	LOBBY	E213	2943			
CIRCULATION / NON-ASSIGNABLE	OPEN TO BELOW	B226	1622			

DEPARTMENT			NET AREA PER PLAN	PROGRAM AREA	DELTA	NOTES
CLASSROOMS/SUPPORT			8,685	10,500	0.83	
TUTORING CENTER			13,773	13,320	1.03	
COMPUTER STUDIES PROGRAM			11,514	11,950	0.96	
SHARED SPACES			1,153	1,150	1.00	
FACULTY			14,037	14,411	0.97	
TOTAL:			49,162	51,331	0.96	

DEPARTMENT	ROOM NAME	ROOM NUMBER	NET AREA PER PLAN	PROGRAM AREA	DELTA	NOTES
LIBRARY						
CIRCULATION / NON-ASSIGNABLE	IDF	2040	159			
CIRCULATION / NON-ASSIGNABLE	ELECT.	2041	54			
CIRCULATION / NON-ASSIGNABLE	HALL	2021	320			
CIRCULATION / NON-ASSIGNABLE	HALL	2000G	611			
RENOVATION	PROCESSING & SUPPORT	2023	731	950	0.77	
RENOVATION	OFFICE	2024	100	99	1.01	
RENOVATION	OFFICE	2025	100	99	1.01	
RENOVATION	OFFICE	2029	100	99	1.01	
RENOVATION	LIBRARY COORDINATOR	2028	162	200	0.81	
RENOVATION	OFFICE	2026	100	99	1.01	
RENOVATION	CHECK-OUT/ RESERVES	2022	973	610	1.60	
RENOVATION	READ/STUDY ROOM-4	2007	120	120	1.00	
RENOVATION	READ/STUDY ROOM-2	2008	104	80	1.30	
RENOVATION	ADDITIONAL NORTH STACK	2000A	771	1300	0.59	
RENOVATION	OFFICE	2027	100	99		
RENOVATION	OPEN STUDY	2000F	233	283		
RENOVATION	SOUTH LOW STACK	2000D	972			
ADDITION	READ/STUDY ROOM-6	2012	123	150	0.82	
ADDITION	READ/STUDY ROOM-10	2013	184	180	1.02	
ADDITION	CLASSROOM/ ENHANCED TECH	2043	952	100	9.52	
ADDITION	READ/STUDY ROOM-6	2014	132	150	0.88	
ADDITION	READ/STUDY ROOM-2	2018	72	80	0.90	
ADDITION	READ/STUDY ROOM-4	2019	104	120	0.87	
ADDITION	CLASSROOM	2044	934	1000	0.94	
ADDITION	READ/STUDY ROOM-15	2016	230	260	0.88	
ADDITION	CIRC. DESK	2042	158	180	0.88	
ADDITION	GROUP STUDY -4	2009	96	120	0.80	

DEPARTMENT			NET AREA PER PLAN	PROGRAM AREA	DELTA	NOTES
RENOVATION			4,566	4,038	1.13	
ADDITION			2,988	2,340	1.28	
TOTAL:			7,554	6,378	1.18	

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. ALL INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2020.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

PROGRAM ANALYSIS

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

G0.46

DESIGN DEVELOPMENT SET

LEGEND

—— DW ——	DOMESTIC WATER PIPE
—— FW ——	FIRE WATER PIPE
—— SS ——	SANITARY SEWER PIPE
— SD — SD — SD —	STORM DRAIN PIPE
— PP —— PP —	PERFORATED PIPE
— — — — —	LIMIT OF WORK
●CO	CLEANOUT
	REDUCED PRESSURE PRINCIPAL BACKFLOW
	DOUBLE CHECK DETECTOR BACKFLOW
FDC	FIRE DEPARTMENT CONNECTION
FH	FIRE HYDRANT
WM	WATER METER
	POINT OF CONNECTION
	STORM DRAIN MANHOLE
WV	WATER VALVE
	PROPOSED AREA DRAIN
	DRAIN INLET / BUBBLER

GRAPHIC SCALE

20 0 10 20 40 80

(IN FEET)
1 inch = 20 ft.

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVEMORE, CA

BKF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS
4670 WILLOW RD
SUITE 250
PLEASANTON, CA 94588
925-396-7700
925-396-7799 (FAX)

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

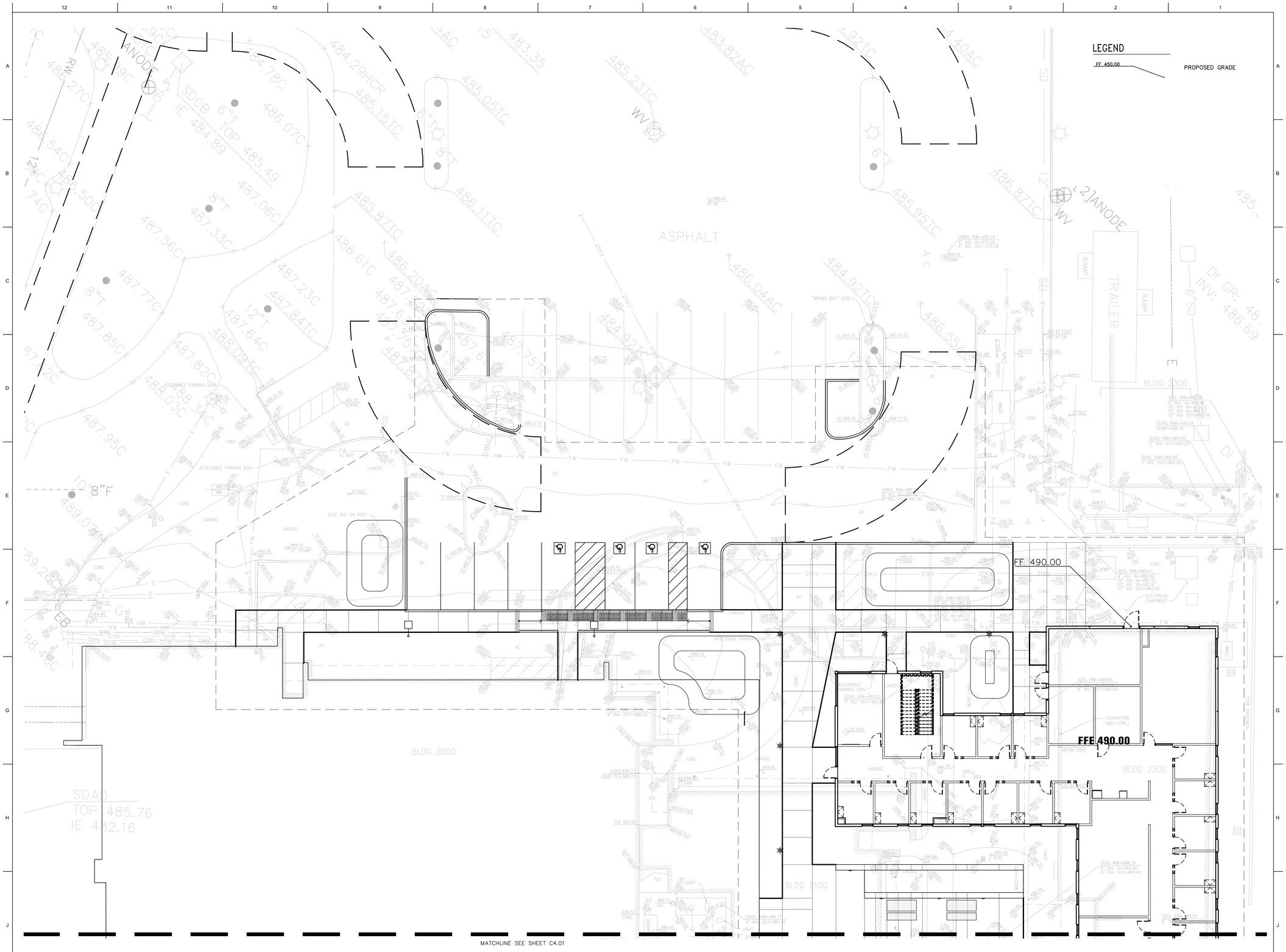
SITE UTILITY PLAN

PROJECT NO: 863-0004
DATE: 10-31-19

SHEET NO:

C3.00

DD COST ESTIMATE



LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVEMORE, CA

BkF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS
4670 WILLOW RD
SUITE 250
PLEASANTON, CA 94588
925-396-7700
925-396-7799 (FAX)

NO.	ISSUE	DATE

LICENSED LANDSCAPE ARCHITECT
KENNETH CARLTO Lloyd Carlto
No. 5466
5-31-2017
Renewal Date
STATE OF CALIFORNIA

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

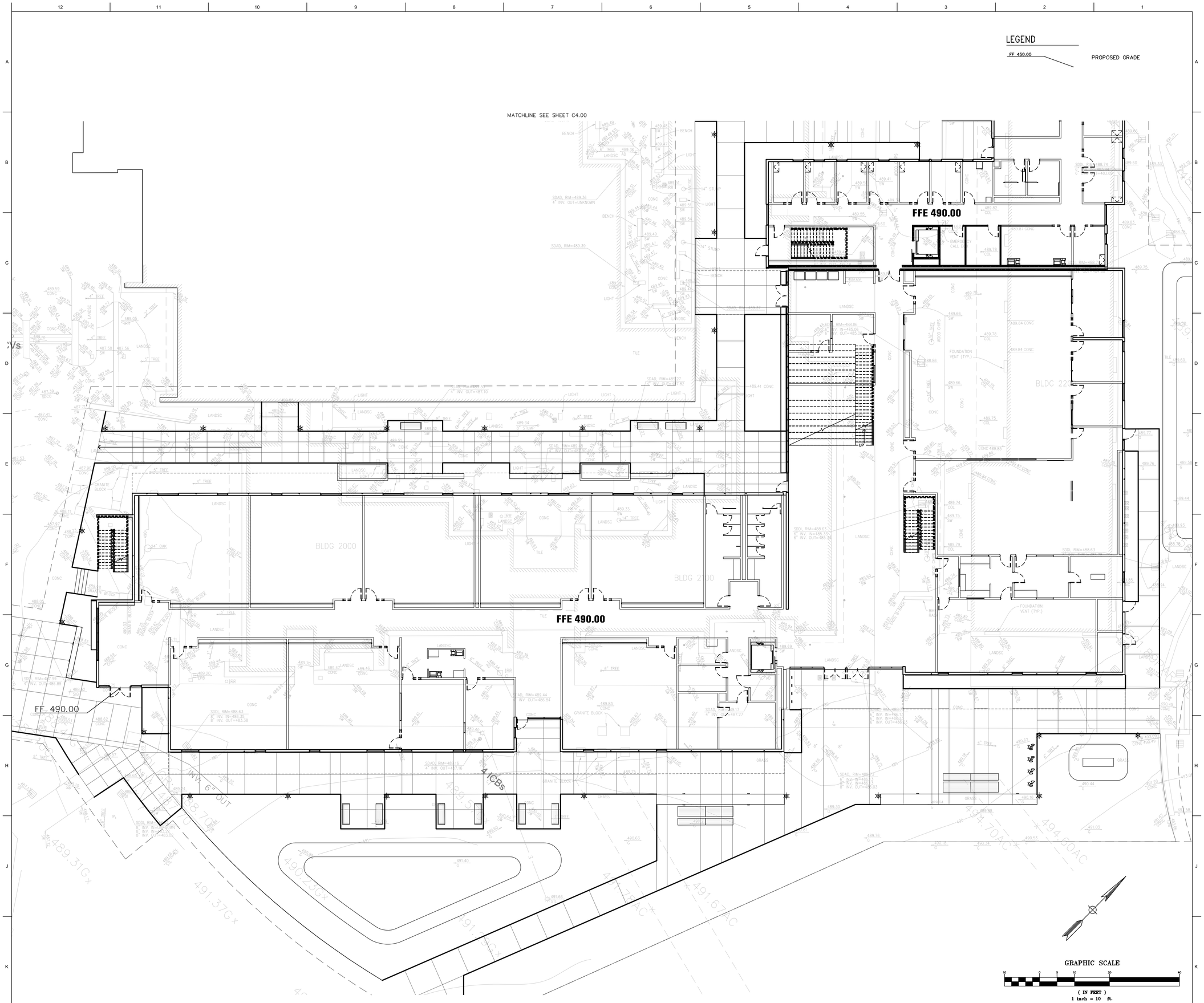
GRADING PLAN

PROJECT NO: 863-0004
DATE: 10-31-19

SHEET NO:

C4.00

DD COST ESTIMATE



LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVEMORE, CA

BKF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS
4670 WILLOW RD
SUITE 250
PLEASANTON, CA 94588
925-396-7700
925-396-7799 (FAX)

NO.	ISSUE	DATE

LICENSED LANDSCAPE ARCHITECT
KIRTLEY CARTER LO LICENSE NO. 4636
Expires
6-31-2017
Revised Date
STATE OF CALIFORNIA

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

GRADING PLAN

PROJECT NO: 863-0004
DATE: 10-31-19

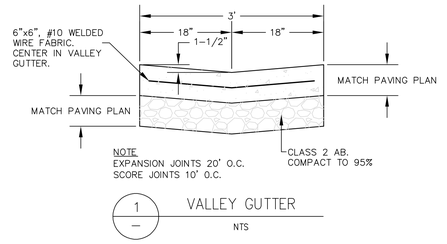
SHEET NO:

C4.01

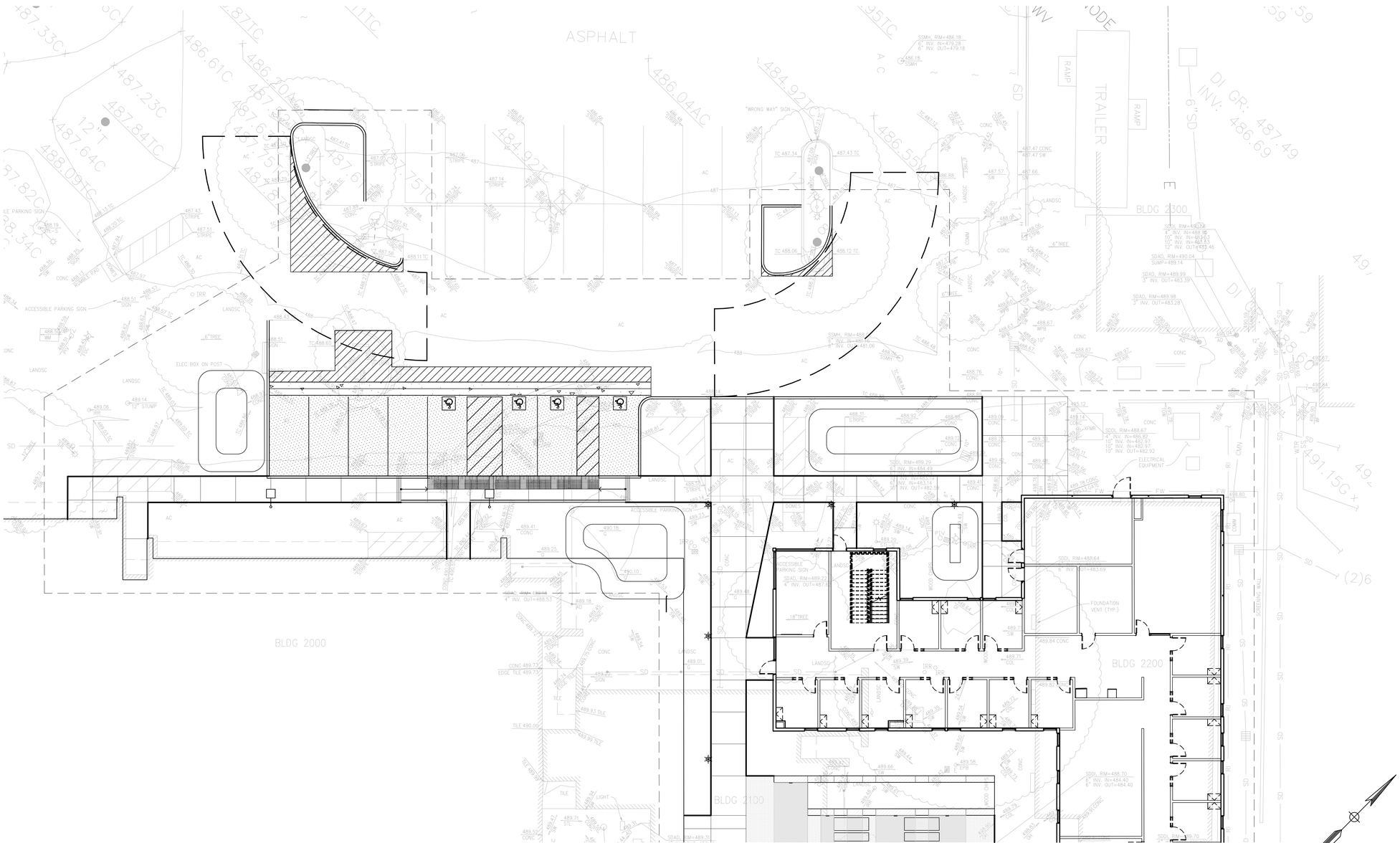
DD COST ESTIMATE

LEGEND

- PROPOSED CURB
- PROPOSED AC PAVING
- PROPOSED CONCRETE PAVING
- PROPOSED PERMEABLE PAVING



1 — VALLEY GUTTER
NTS



LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVEMORE, CA

BkF 100+ YEARS
ENGINEERS . SURVEYORS . PLANNERS
4670 WILLOW RD
SUITE 250
PLEASANTON, CA 94588
925-396-7700
925-396-7799 (FAX)

NO.	ISSUE	DATE

LICENSED LANDSCAPE ARCHITECT
5-31-2017
STATE OF CALIFORNIA

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR BE LOANED TO ANY OTHER PARTY WITHOUT THE WRITTEN AUTHORIZATION OF LPAS. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

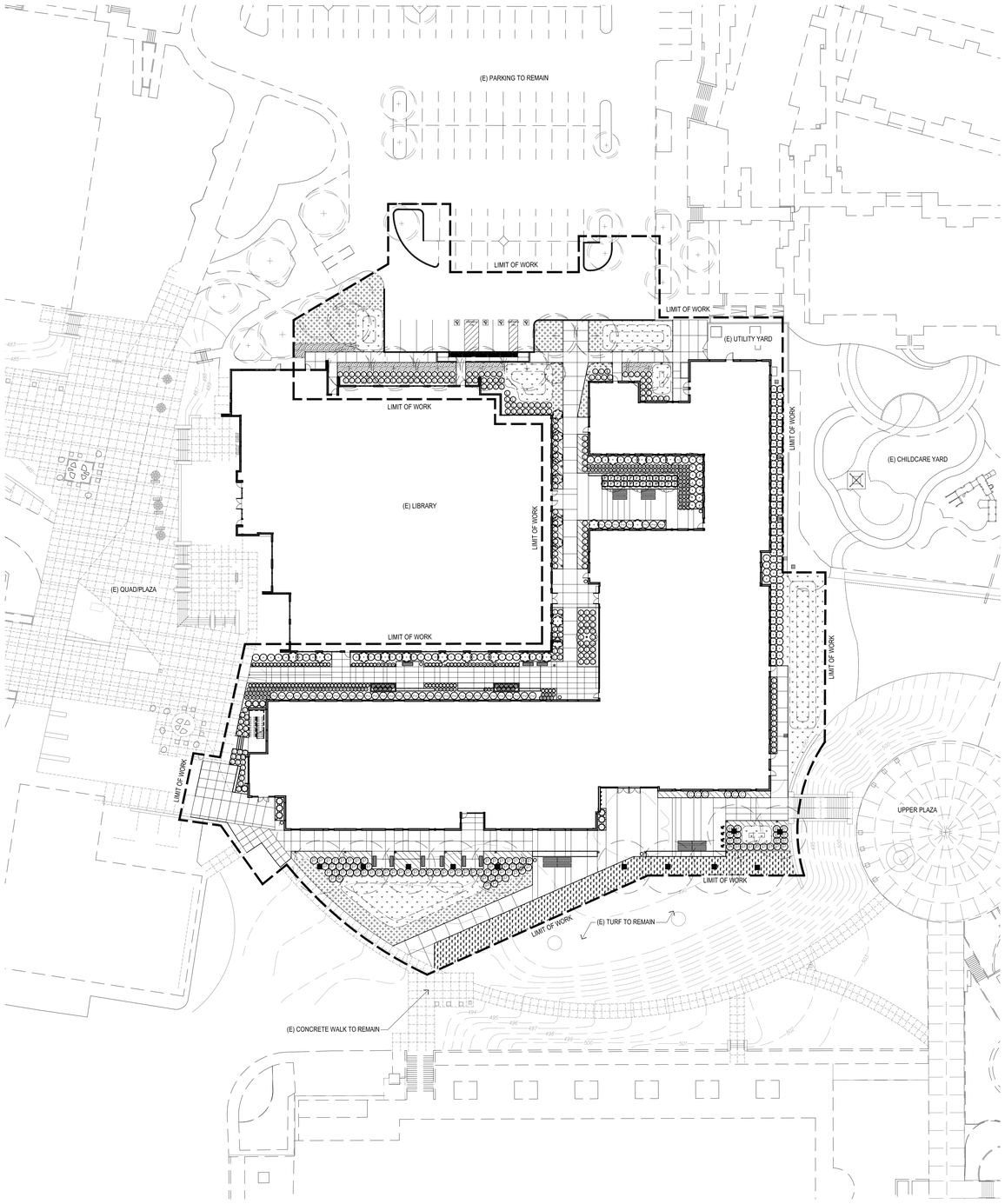
PROPOSED PAVING PLAN

PROJECT NO: 863-0004
DATE: 10-31-19

SHEET NO:

C5.00

DD COST ESTIMATE



SCALE: 1" = 30'-0" 0 30 60 90 FT

PROJECT NORTH
TRUE NORTH

OVERALL LANDSCAPE PLAN
1" = 30'-0" K5

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT
	Cercis canadensis `Forest Pansy` TM Forest Pansy Redbud	24"box
	Lagerstroemia x `Muskogee` Lavender Crape Myrtle Multi-Trunk	15 gal
	Nyssa sylvatica Sour Gum	15 gal
	Pistacia chinensis `Keith Davey` Keith Davey Chinese Pistache	24"box
	Zelkova serrata `Musashino` Sawleaf Zelkova	15 gal

SHRUBS	BOTANICAL / COMMON NAME	CONT
A	Abelia x `Rose Creek` Rose Creek Abelia	5 gal
	Bambusa multiplex `Golden Goddess` Golden Goddess Bamboo	5 gal
C	Camellia sasanqua `White Doves` Camellia	5 gal
	Juncus patens `Elk Blue` Spreading Rush	1 gal
LM	Liriope muscari `Silvery Sunproof` Silvery Sunproof Blue Lilyturf	1 gal
L	Lomandra longifolia `LM300` Breeze Mat Rush	5 gal
LP	Loropetalum chinense `Purple Pixie` Purple Pixie Loropetalum	5 gal
	Nandina domestica `Flirt` Heavenly Bamboo	5 gal
	Prunus caroliniana `Bright `N Tight` TM Bright `N Tight Carolina Laurel	5 gal
R	Rosa x `Peach Drift` Peach Drift Rose	5 gal
	Sarcococca ruscifolia Fragrant Sarcococca	5 gal

GROUND COVERS	BOTANICAL / COMMON NAME	CONT	SPACING
	Bouteloua gracilis `Blonde Ambition` Blonde Ambition Blue Grama	1 gal	30" o.c.
	Cistus x hybridus `Little Miss Sunshine` Variegated White Rockrose	5 gal	24" o.c.
	Hemerocallis x `Elizabeth Purple` Elizabeth Purple Daylily	5 gal	24" o.c.
	Native Sod Delta Grasslands Mix	sod	
	TURF 95/10 Fescue/Bluegrass Blend	sod	

PLANT SCHEDULE
NO SCALE G1

1. NUMERICAL PLANT QUANTITIES ARE FOR INFORMATION ONLY, IN CASE OF DISCREPANCY, VERIFY FROM PLAN.

2. CONTRACTOR SHALL VERIFY LOCATION OF ALL EXISTING UNDERGROUND UTILITIES AND STRUCTURES PRIOR TO ANY EXCAVATION. CONTACT COMMON GROUND ALLIANCE (C.G.A.) @ 811. CALL AT LEAST 48 HOURS PRIOR TO PERFORMING EXCAVATION. CONTRACTOR SHALL REPAIR ANY DAMAGE TO UTILITIES CAUSED BY HIS WORK AT NO ADDITIONAL COST TO THE OWNER.

3. SLOPE ALL PLANTING AREAS A MINIMUM OF 2% TO PROVIDE POSITIVE DRAINAGE.

4. IMPORTED TOPSOIL SHALL BE TESTED BY AN APPROVED SOIL TESTING SERVICE, AND TOPSOIL SHALL BE AMENDED PER THE RECOMMENDATIONS CONTAINED IN THAT SOILS REPORT. REFER TO SPECIFICATIONS FOR MORE INFORMATION ON SOILS TEST AND AMENDMENTS.

5. TOP DRESS ALL SHRUB AND GROUNDCOVER AREAS, (NOT LAWN) WITH A 3" LAYER OF 2" SHREDDED FIR BARK MULCH PER SPECIFICATIONS. SUBMIT SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

6. TREE LOCATIONS MAY BE ADJUSTED IN THE FIELD BY THE LANDSCAPE ARCHITECT TO SUIT SITE REQUIREMENTS.

7. SOIL CONDITIONS CAUSING THE RETENTION OF WATER IN PLANTING PITS FOR MORE THAN 2 HOURS SHALL BE CORRECTED PRIOR TO PLANTING TO PROVIDE POSITIVE DRAINAGE, AT NO ADDITIONAL COST TO THE OWNER.

8. ALL PLANT MATERIALS SHALL COMPLY WITH SPECIFICATIONS OF ANSI Z60.1 "STANDARD FOR NURSERY STOCK"

9. CONTRACTOR SHALL SECURE PLANT MATERIALS AS SPECIFIED IMMEDIATELY UPON BID AWARD. IF PLANT MATERIALS ARE NOT AVAILABLE, CONTACT LANDSCAPE ARCHITECT FOR APPROVAL OF SUBSTITUTIONS. NO SUBSTITUTIONS FOR PLANT MATERIAL WILL BE ALLOWED WITHOUT PRIOR WRITTEN APPROVAL OF THE LANDSCAPE ARCHITECT.

10. LIME TREATED SOIL SHALL BE REMOVED FROM LANDSCAPE PLANTERS AND PROPERLY DISPOSED OFF-SITE. LIME TREATED SOIL SHALL BE EXCAVATED TO A DEPTH OF 24" OR TO THE DEPTH REQUIRED TO REMOVE LIME TREATED SOIL. PLANTERS SHALL BE BACKFILLED WITH APPROVED TOPSOIL. REFER TO SPECIFICATION FOR AMENDING OF TOPSOIL.

11. REFER TO PLANTING DETAILS AND SPECIFICATIONS FOR MORE INFORMATION.

12. REPLACE ALL (E) SHRUBS AND TURF DAMAGED AS PART OF DEMOLITION OR CONSTRUCTION. CONSULT WITH DISTRICT LANDSCAPE REPRESENTATIVE FOR REPLACEMENT SHRUB SIZE AND SPECIES, AND TURF SPECIES.

13. REPLACE ALL (E) TREES DAMAGED AS PART OF DEMOLITION OR CONSTRUCTION. CONSULT WITH DISTRICT ARBORIST FOR TREE BOX SIZE. THE DISTRICT HAS FINAL SAY ON REPLACEMENT SIZE.

14. ALL LANDSCAPE AREAS SHALL BE AUTOMATICALLY IRRIGATED WITH NON-POTABLE WATER & TIED INTO THE EXISTING CAMPUS IRRIGATION MAINLINE & CONTROLS. IRRIGATION CONTROLLER TO HAVE ELECTRICAL & ETHERNET CONNECTION.

LANDSCAPE NOTES
NO SCALE K1

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

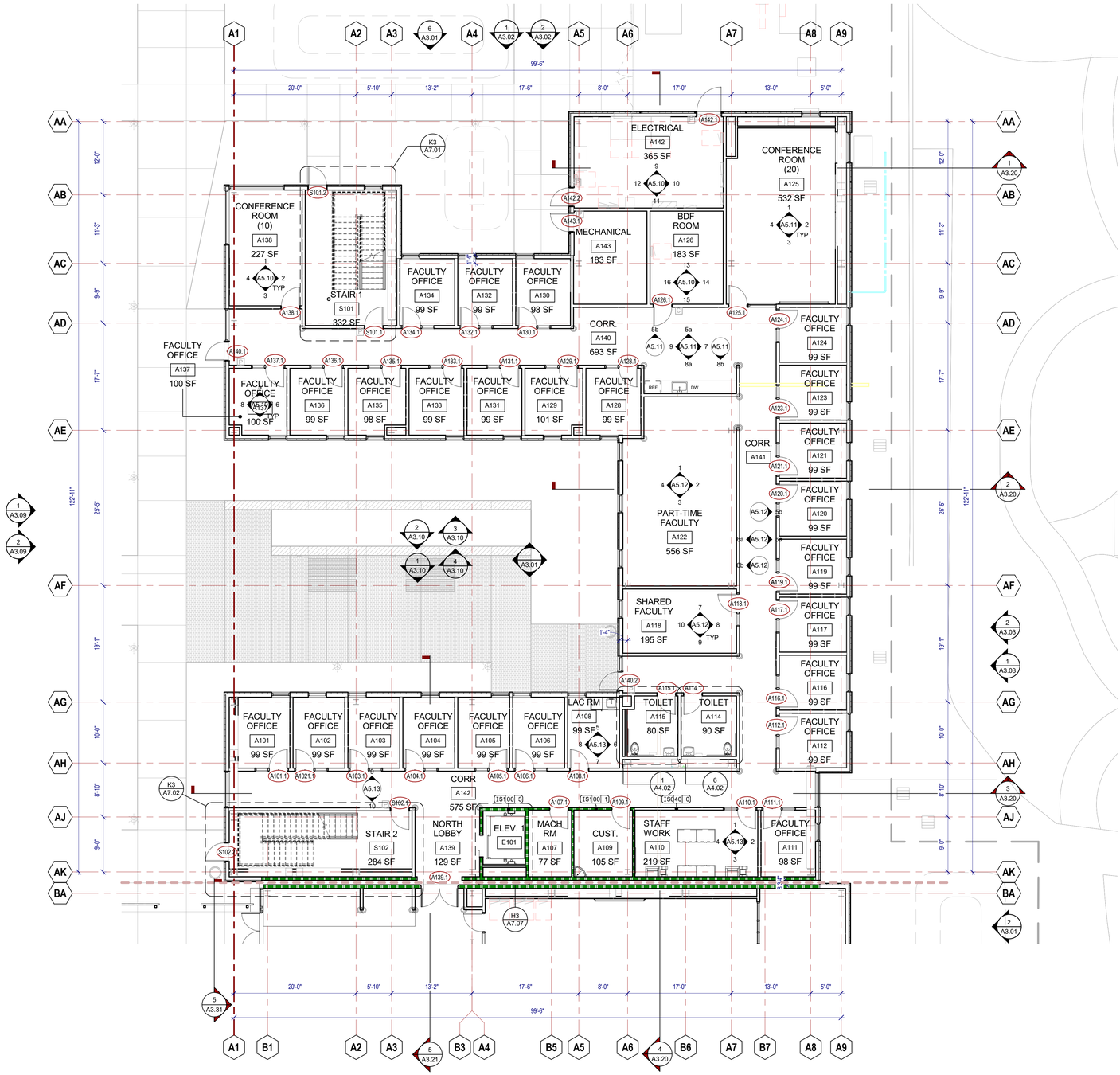
OVERALL LANDSCAPE PLAN

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

L1.00

DESIGN DEVELOPMENT SET



1ST FLOOR - SECTOR 1 - FLOOR PLAN | K4
1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

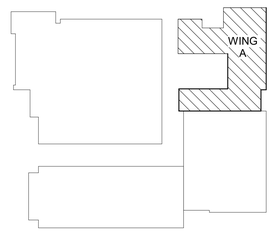
ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

KEY MAP



1ST FLOOR - SECTOR 1 - FLOOR PLAN

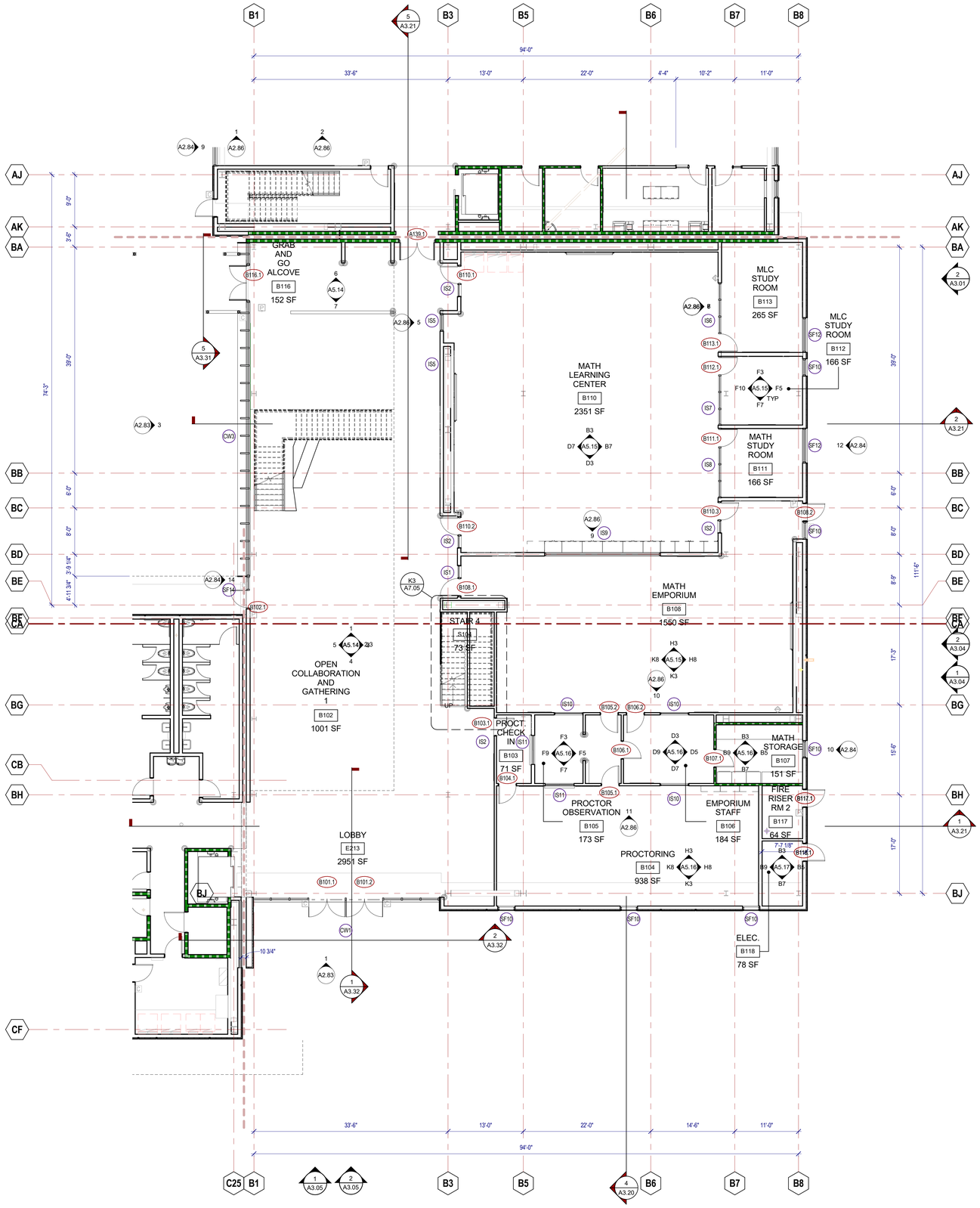
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

A2.11

DESIGN DEVELOPMENT SET



1ST FLOOR - SECTOR 2 - FLOOR PLAN | K4

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

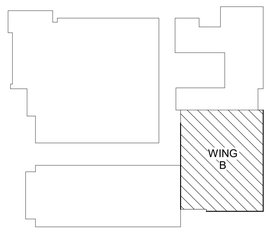
ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS. THE INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2020.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

KEY MAP



1ST FLOOR - SECTOR 2 - FLOOR PLAN

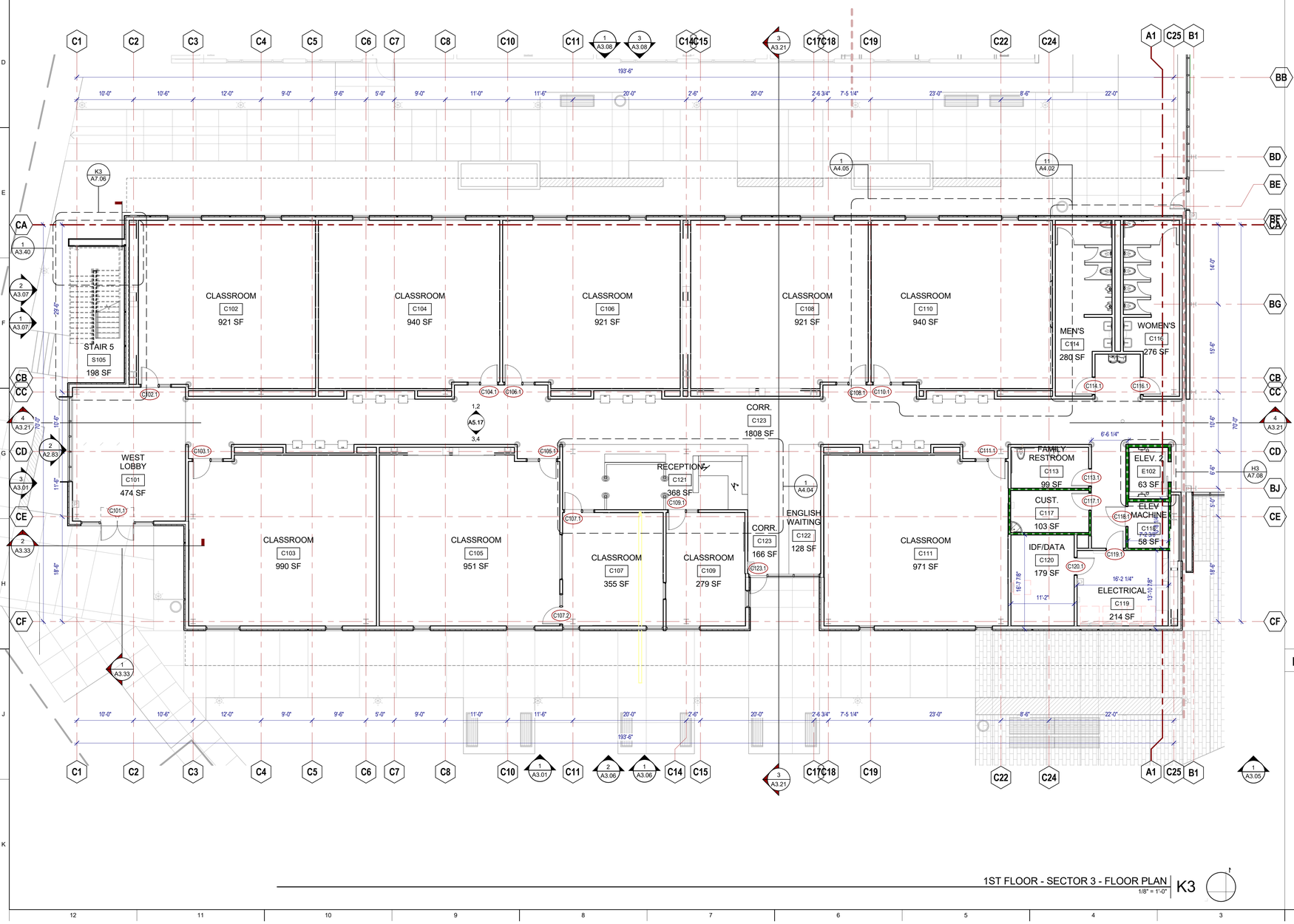
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

A2.12

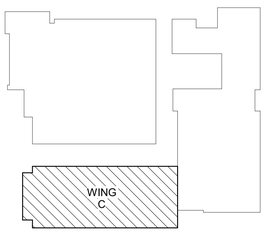
DESIGN DEVELOPMENT SET



1ST FLOOR - SECTOR 3 - FLOOR PLAN | K3

1/8" = 1'-0"

KEY MAP



LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

1ST FLOOR - SECTOR 3 - FLOOR PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

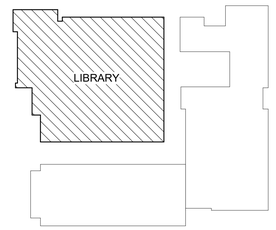
SHEET NO:

A2.13

DESIGN DEVELOPMENT SET

FIRST FLOOR PLAN 1
1/8" = 1'-0"

KEY MAP



LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE TITLE BLOCK. IT SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELOADED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

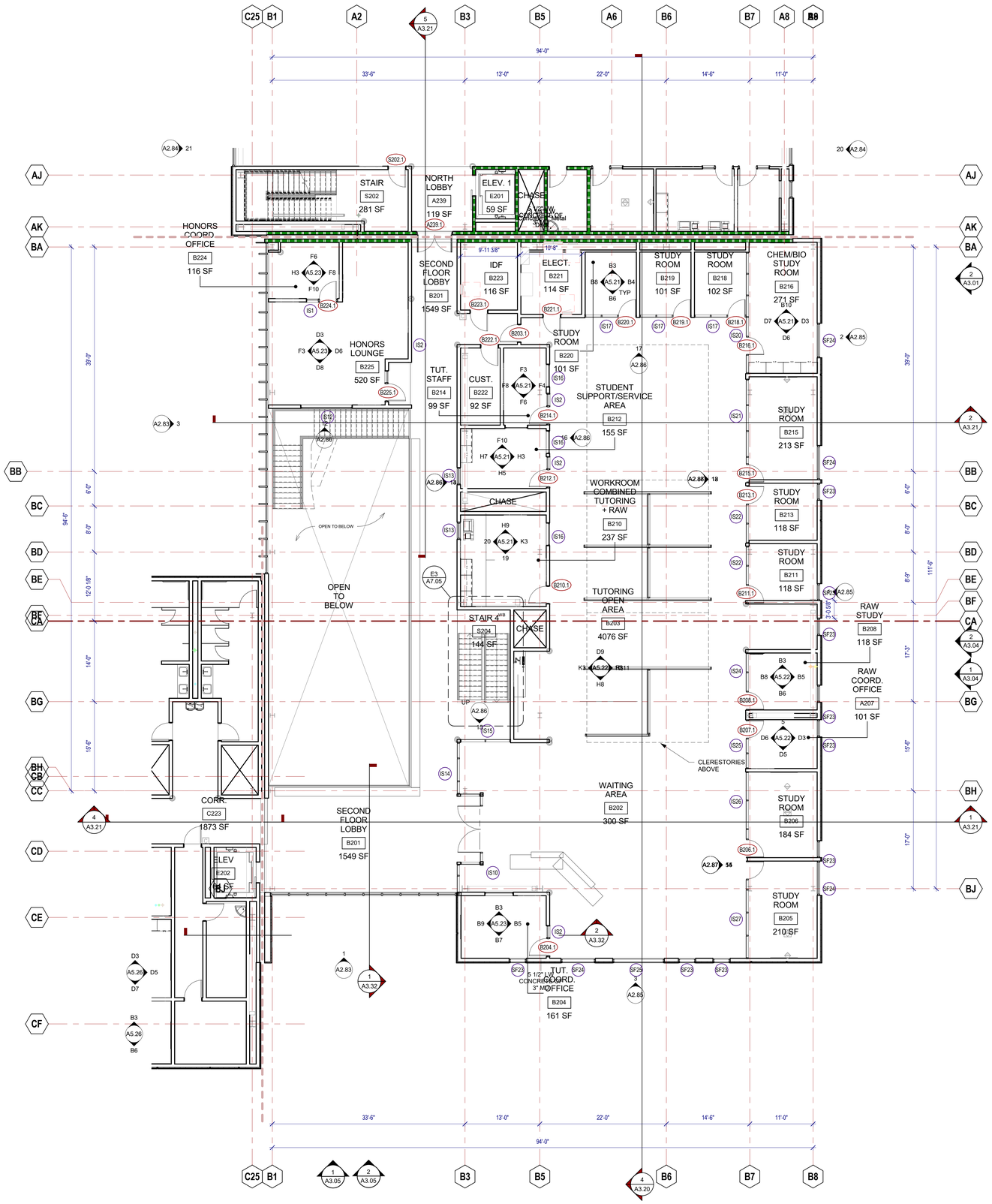
1ST FLOOR- SECTOR 4 - FLOOR PLAN

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

A2.14

DESIGN DEVELOPMENT SET



2ND FLOOR - SECTOR 2 - FLOOR PLAN
1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

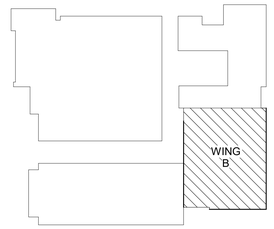
ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

KEY MAP



2ND FLOOR - SECTOR 2 - FLOOR PLAN

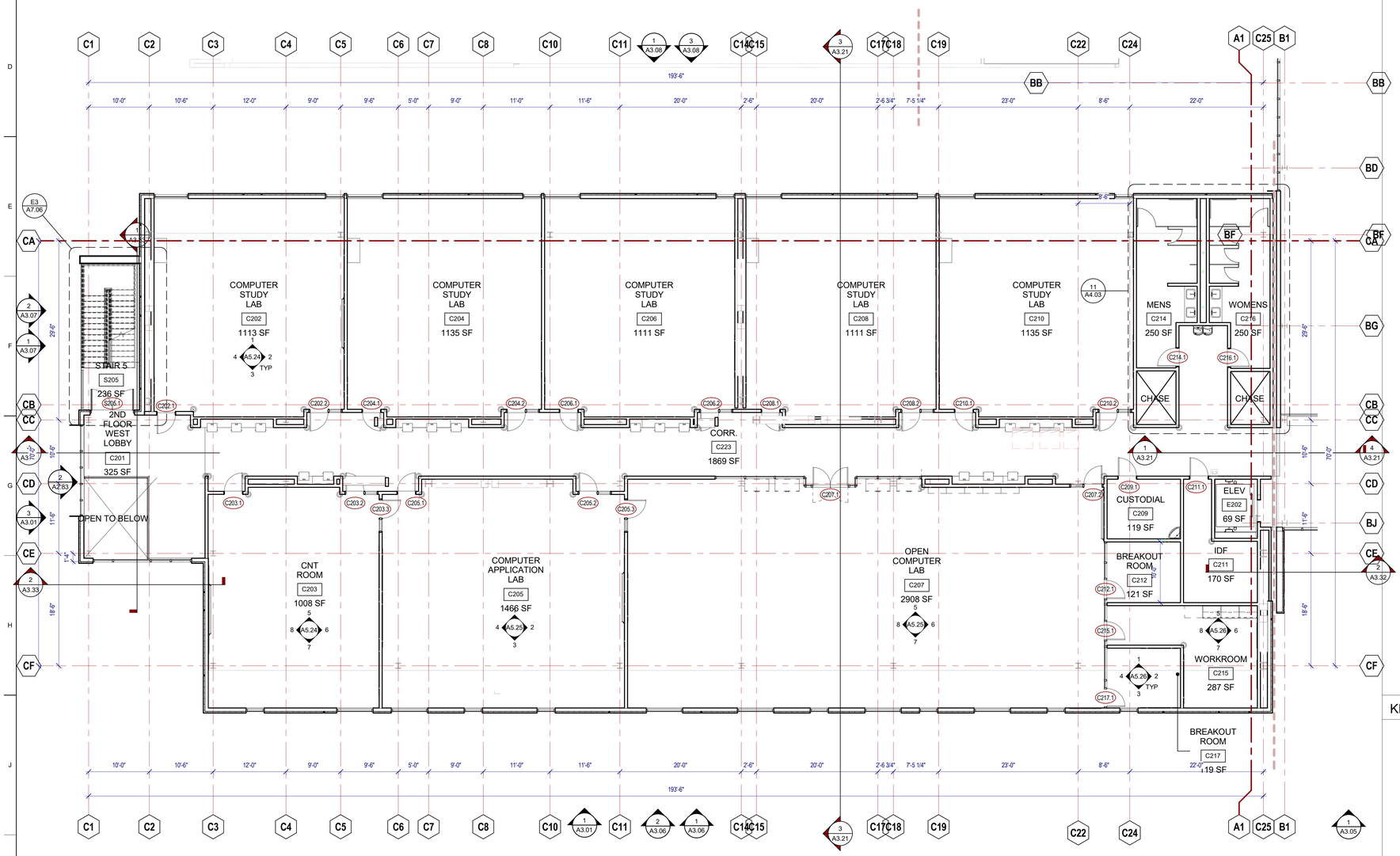
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

A2.22

DESIGN DEVELOPMENT SET



2ND FLOOR - SECTOR 3 - FLOOR PLAN
1/8" = 1'-0"
K3

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

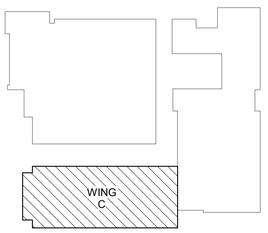
ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

KEY MAP



2ND FLOOR - SECTOR 3 - FLOOR PLAN

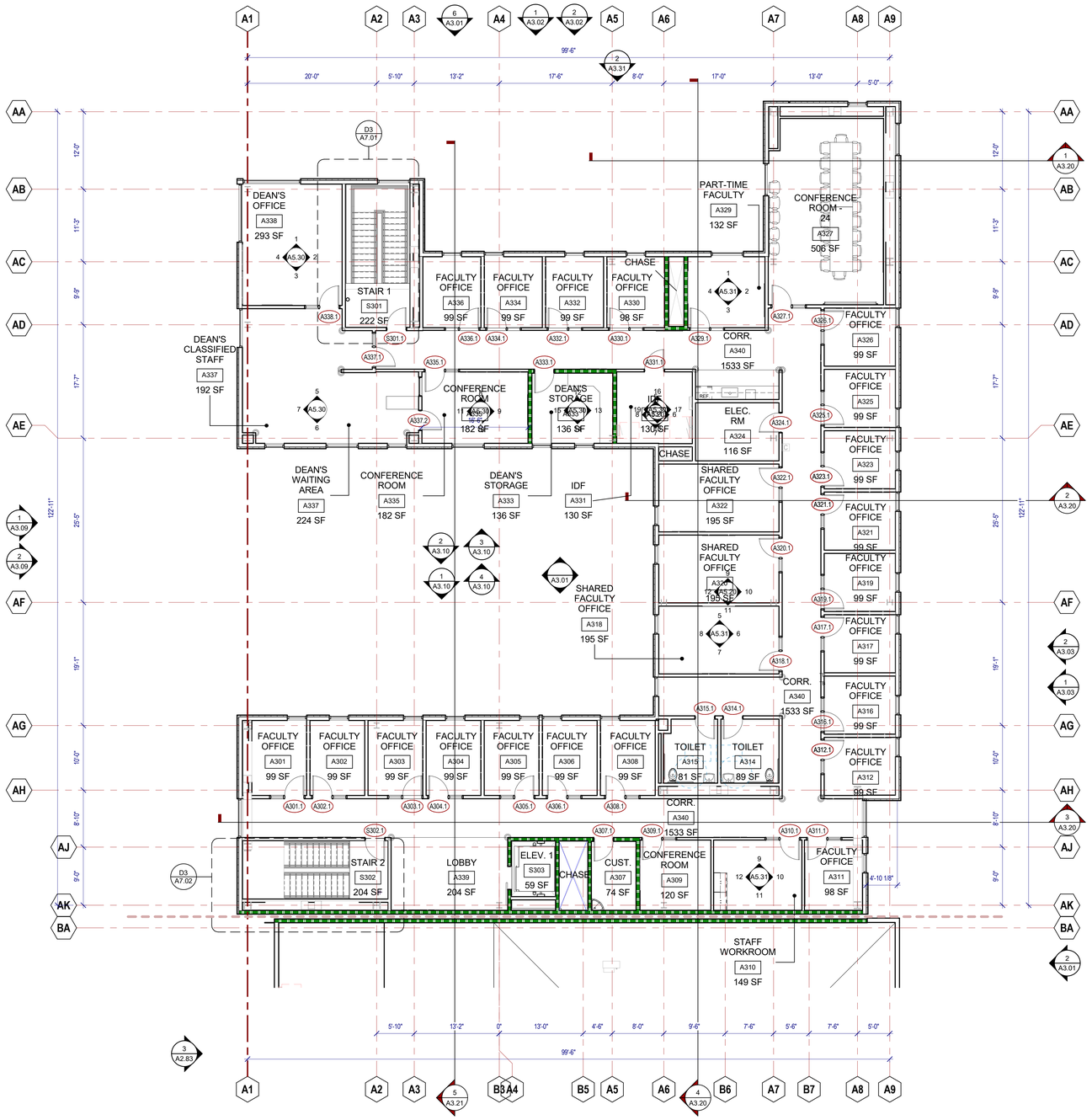
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

A2.23

DESIGN DEVELOPMENT SET



3RD FLOOR - SECTOR 1 - FLOOR PLAN 1
1/8" = 1'-0"

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

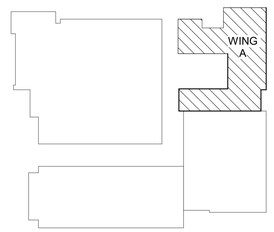
ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

KEY MAP



3RD FLOOR - SECTOR 1 - FLOOR PLAN

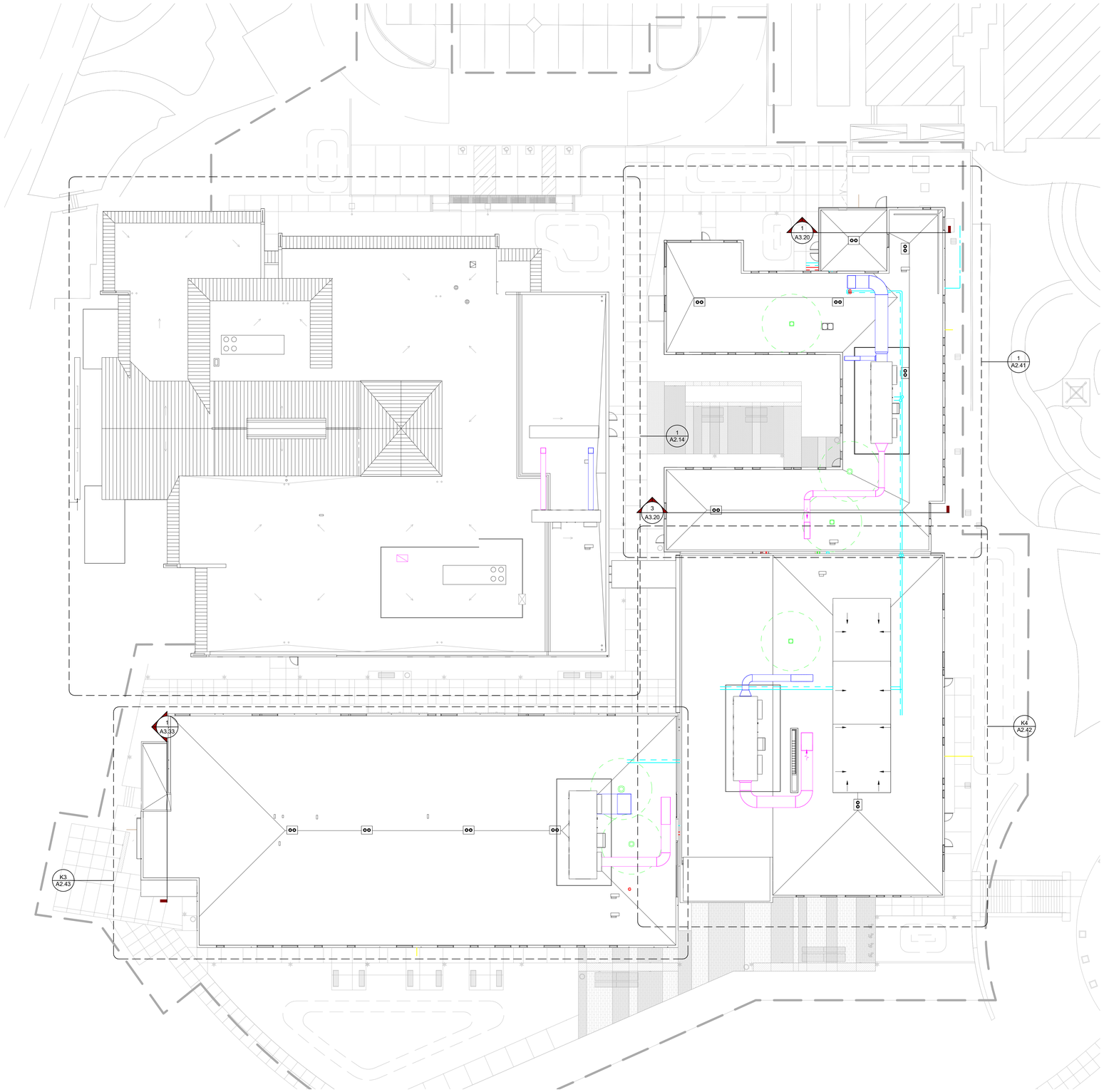
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

A2.31

DESIGN DEVELOPMENT SET



ROOF PLAN - OVERALL | K1
1/16" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

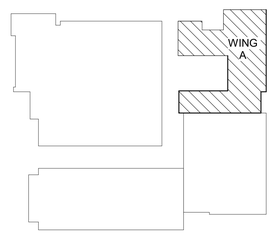
ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

KEY MAP



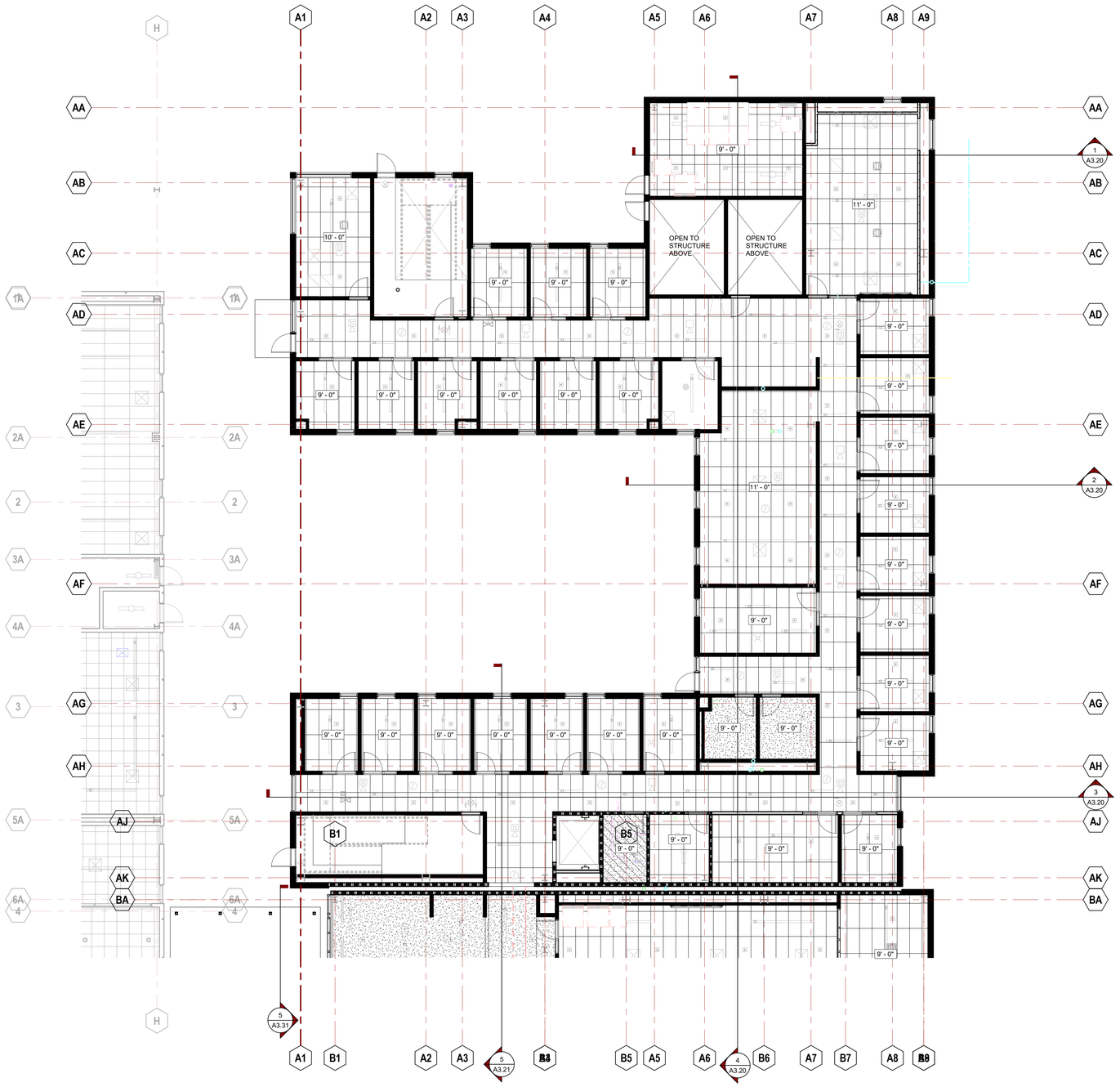
ROOF - OVERALL - ROOF PLAN

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

A2.40

DESIGN DEVELOPMENT SET



1ST FLOOR - SECTOR 1 - CEILING PLAN | 1
1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. THE AREA OF WORK SHOWN IS APPROXIMATE. WORK OUTSIDE THE AREA OF WORK MAY BE REQUIRED FOR A COMPLETE PROJECT. ANY WORK REQUIRED OUTSIDE THE AREA OF WORK TO COMPLETE THIS PROJECT SHALL BE CONSIDERED A PART OF THIS CONTRACT.
2. SEE STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING, FIRE ALARM, FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
3. UNLESS OTHERWISE NOTED, CEILING HEIGHT SHALL BE 9'-0" AFF.
4. UNLESS OTHERWISE NOTED, SUSPENDED ACOUSTICAL CEILINGS SHALL BE ARMSTRONG TECH ZONE CEILING SYSTEMS WITH INTEGRATED 4" TECHNICAL ZONES CONTAINING RECESSED LINEAR LIGHTING SYSTEM, MECHANICAL DIFFUSERS AND FIRE SPRINKLER HEADS. LAY-IN PANELS SHALL BE ULTIMA SQUARE TEGULAR IN 9/16" SUPRAFINE XL SUSPENSION SYSTEM.
5. UNLESS OTHERWISE NOTED, PAINT GYPSUM BOARD CEILINGS, SOFFITS, BULKHEADS, ETC. P1.
6. PAINT ALL EXPOSED PIPING, CONDUITS, STRUCTURAL MEMBERS, ETC. EXCEPT IN MECHANICAL, ELECTRICAL ROOMS.
7. UNLESS OTHERWISE NOTED, ALL SCOPE INDICATED SHALL BE CONSIDERED PART OF BASE BID.
8. ALL WIRELESS ACCESS POINTS (WAPS) SHALL BE HIDDEN ABOVE THE CEILING GRID. LOCATIONS TO BE CLEARLY LABELED USING CLEAR LABELS ON METAL GRID LINES; CONFIRM LABELS WITH DISTRICT PRIOR TO INSTALL OF WAPS AND LABELS.

REFLECTED CEILING PLAN LEGEND

- SUSPENDED ACOUSTICAL CEILING
- 5/8" GYPSUM BOARD CEILING / SOFFIT
- ALUMINUM COMPOSITE PANEL SYSTEM MP-1 PER EXTERIOR FINISH LEGEND
- ALUMINUM COMPOSITE PANEL SYSTEM MP-4 PER EXTERIOR FINISH LEGEND
- OPEN TO STRUCTURE
- HVAC SUPPLY
- HVAC RETURN
- EXHAUST VENT
- SURFACE MOUNTED LINEAR LUMINAIRE
- RECESSED 2x4 LUMINAIRE
- RECESSED 2x2 LUMINAIRE
- RECESSED LINEAR LUMINAIRE
- RECESSED LUMINAIRE
- RECESSED SPRINKLER HEAD
- ACCESS HATCH. 24" X 36" MIN

NOTE:
SEE EXTERIOR ELEVATION FOR ADDITIONAL FINISH INFORMATION

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

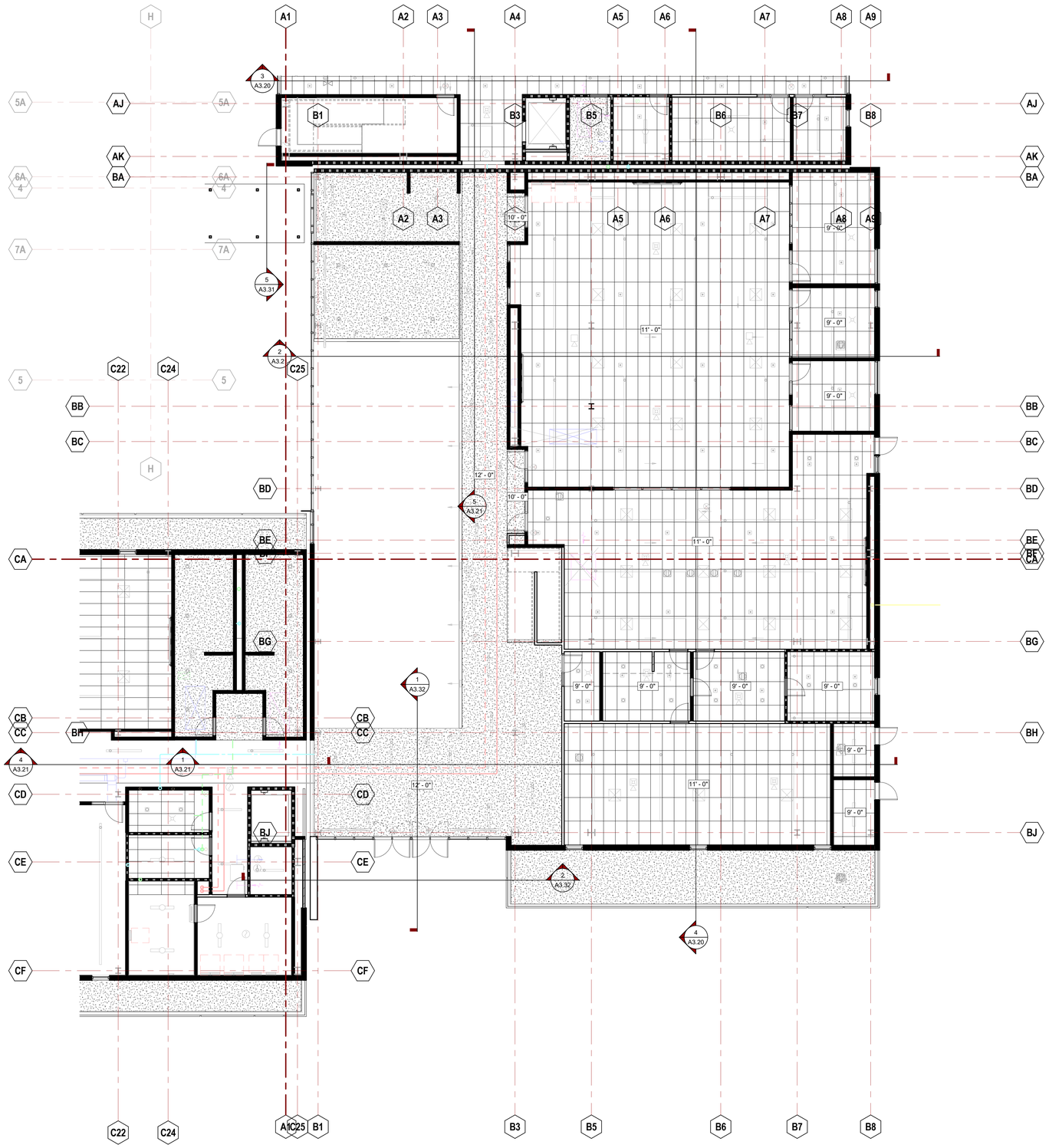
1ST FLOOR - SECTOR 1 - RCP

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

A6.11

DESIGN DEVELOPMENT SET



1ST FLOOR - SECTOR 2 - CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. THE AREA OF WORK SHOWN IS APPROXIMATE. WORK OUTSIDE THE AREA OF WORK MAY BE REQUIRED FOR A COMPLETE PROJECT. ANY WORK REQUIRED OUTSIDE THE AREA OF WORK TO COMPLETE THIS PROJECT SHALL BE CONSIDERED A PART OF THIS CONTRACT.
2. SEE STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING, FIRE ALARM, FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
3. UNLESS OTHERWISE NOTED, CEILING HEIGHT SHALL BE 9'-0" AFF.
4. UNLESS OTHERWISE NOTED, SUSPENDED ACOUSTICAL CEILINGS SHALL BE ARMSTRONG TECH ZONE CEILING SYSTEMS WITH INTEGRATED 4" TECHNICAL ZONES CONTAINING RECESSED LINEAR LIGHTING SYSTEM, MECHANICAL DIFFUSERS AND FIRE SPRINKLER HEADS. LAY-IN PANELS SHALL BE ULTIMA SQUARE TEGULAR IN 9/16" SUPRAFINE XL SUSPENSION SYSTEM.
5. UNLESS OTHERWISE NOTED, PAINT GYPSUM BOARD CEILINGS, SOFFITS, BULKHEADS, ETC. P1.
6. PAINT ALL EXPOSED PIPING, CONDUITS, STRUCTURAL MEMBERS, ETC. EXCEPT IN MECHANICAL, ELECTRICAL ROOMS.
7. UNLESS OTHERWISE NOTED, ALL SCOPE INDICATED SHALL BE CONSIDERED PART OF BASE BID.
8. ALL WIRELESS ACCESS POINTS (WAPS) SHALL BE HIDDEN ABOVE THE CEILING GRID. LOCATIONS TO BE CLEARLY LABELED USING CLEAR LABELS ON METAL GRID LINES; CONFIRM LABELS WITH DISTRICT PRIOR TO INSTALL OF WAPS AND LABELS.

REFLECTED CEILING PLAN LEGEND

- SUSPENDED ACOUSTICAL CEILING
- 5/8" GYPSUM BOARD CEILING / SOFFIT
- ALUMINUM COMPOSITE PANEL SYSTEM MP-1 PER EXTERIOR FINISH LEGEND
- ALUMINUM COMPOSITE PANEL SYSTEM MP-4 PER EXTERIOR FINISH LEGEND
- OPEN TO STRUCTURE
- HVAC SUPPLY
- HVAC RETURN
- EXHAUST VENT
- SURFACE MOUNTED LINEAR LUMINAIRE
- RECESSED 2x4 LUMINAIRE
- RECESSED 2x2 LUMINAIRE
- RECESSED LINEAR LUMINAIRE
- RECESSED LUMINAIRE
- RECESSED SPRINKLER HEAD
- ACCESS HATCH. 24" X 36" MIN

NOTE:
SEE EXTERIOR ELEVATION FOR ADDITIONAL FINISH INFORMATION

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

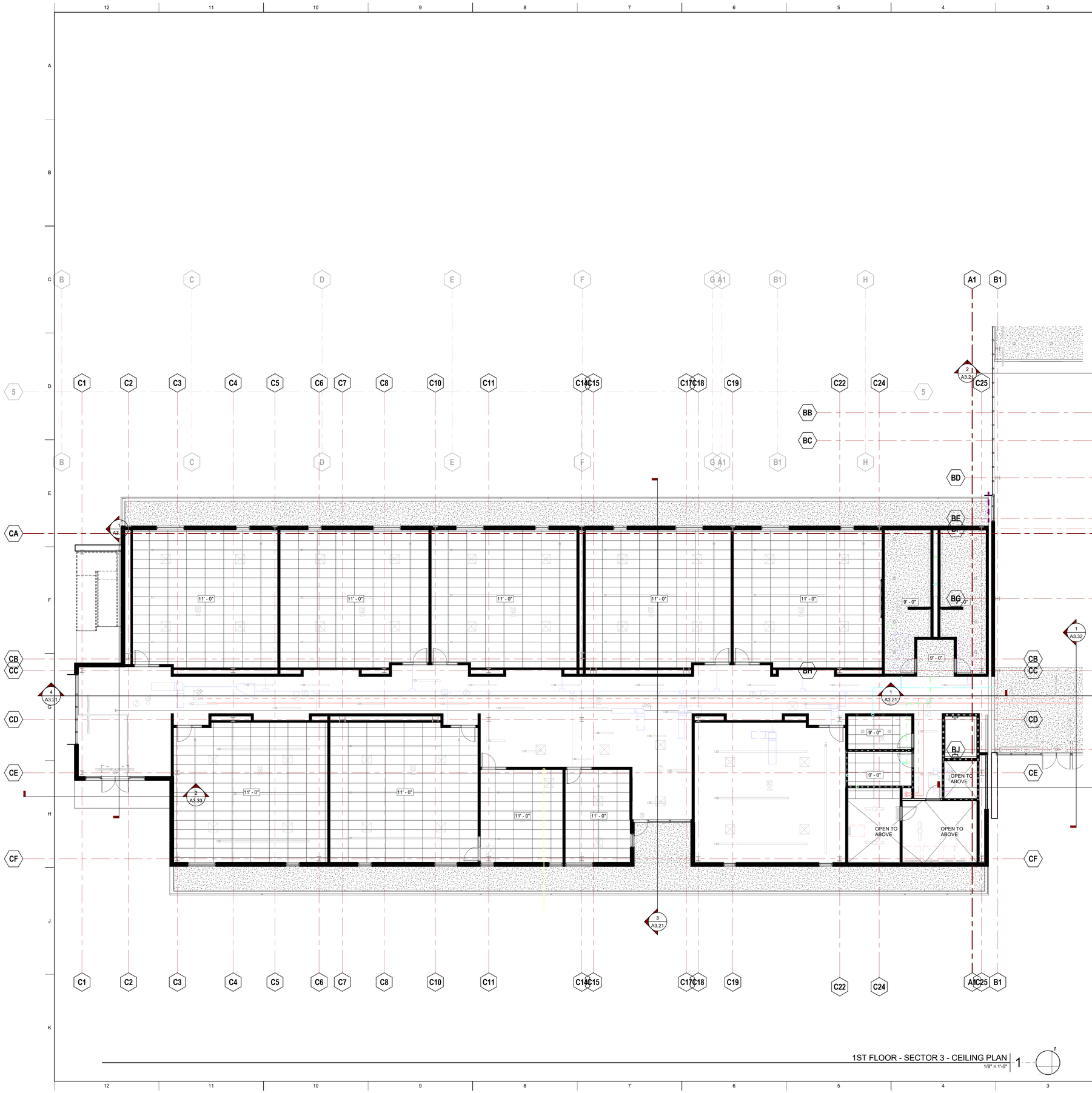
1ST FLOOR - SECTOR 2 - RCP

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

A6.12

DESIGN DEVELOPMENT SET



1ST FLOOR - SECTOR 3 - CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. THE AREA OF WORK SHOWN IS APPROXIMATE. WORK OUTSIDE THE AREA OF WORK MAY BE REQUIRED FOR A COMPLETE PROJECT. ANY WORK REQUIRED OUTSIDE THE AREA OF WORK TO COMPLETE THIS PROJECT SHALL BE CONSIDERED A PART OF THIS CONTRACT.
2. SEE STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING, FIRE ALARM, FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
3. UNLESS OTHERWISE NOTED, CEILING HEIGHT SHALL BE 9'-0" AFF.
4. UNLESS OTHERWISE NOTED, SUSPENDED ACOUSTICAL CEILINGS SHALL BE ARMSTRONG TECH ZONE CEILING SYSTEMS WITH INTEGRATED 4" TECHNICAL ZONES CONTAINING RECESSED LINEAR LIGHTING SYSTEM, MECHANICAL DIFFUSERS AND FIRE SPRINKLER HEADS. LAY-IN PANELS SHALL BE ULTIMA SQUARE TEGULAR IN 9/16" SUPRAFINE XL SUSPENSION SYSTEM.
5. UNLESS OTHERWISE NOTED, PAINT GYPSUM BOARD CEILINGS, SOFFITS, BULKHEADS, ETC. P1.
6. PAINT ALL EXPOSED PIPING, CONDUITS, STRUCTURAL MEMBERS, ETC. EXCEPT IN MECHANICAL, ELECTRICAL ROOMS.
7. UNLESS OTHERWISE NOTED, ALL SCOPE INDICATED SHALL BE CONSIDERED PART OF BASE BID.
8. ALL WIRELESS ACCESS POINTS (WAPS) SHALL BE HIDDEN ABOVE THE CEILING GRID. LOCATIONS TO BE CLEARLY LABELED USING CLEAR LABELS ON METAL GRID LINES; CONFIRM LABELS WITH DISTRICT PRIOR TO INSTALL OF WAPS AND LABELS.

REFLECTED CEILING PLAN LEGEND

- SUSPENDED ACOUSTICAL CEILING
- 5/8" GYPSUM BOARD CEILING / SOFFIT
- ALUMINUM COMPOSITE PANEL SYSTEM MP-1 PER EXTERIOR FINISH LEGEND
- ALUMINUM COMPOSITE PANEL SYSTEM MP-4 PER EXTERIOR FINISH LEGEND
- OPEN TO STRUCTURE
- HVAC SUPPLY
- BB HVAC RETURN
- EXHAUST VENT
- BC SURFACE MOUNTED LINEAR LUMINAIRE
- RECESSED 2x4 LUMINAIRE
- BD RECESSED 2x2 LUMINAIRE
- RECESSED LINEAR LUMINAIRE
- BE RECESSED LUMINAIRE
- CA RECESSED SPRINKLER HEAD
- ACCESS HATCH. 24" X 36" MIN

NOTE:
SEE EXTERIOR ELEVATION FOR ADDITIONAL FINISH INFORMATION

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

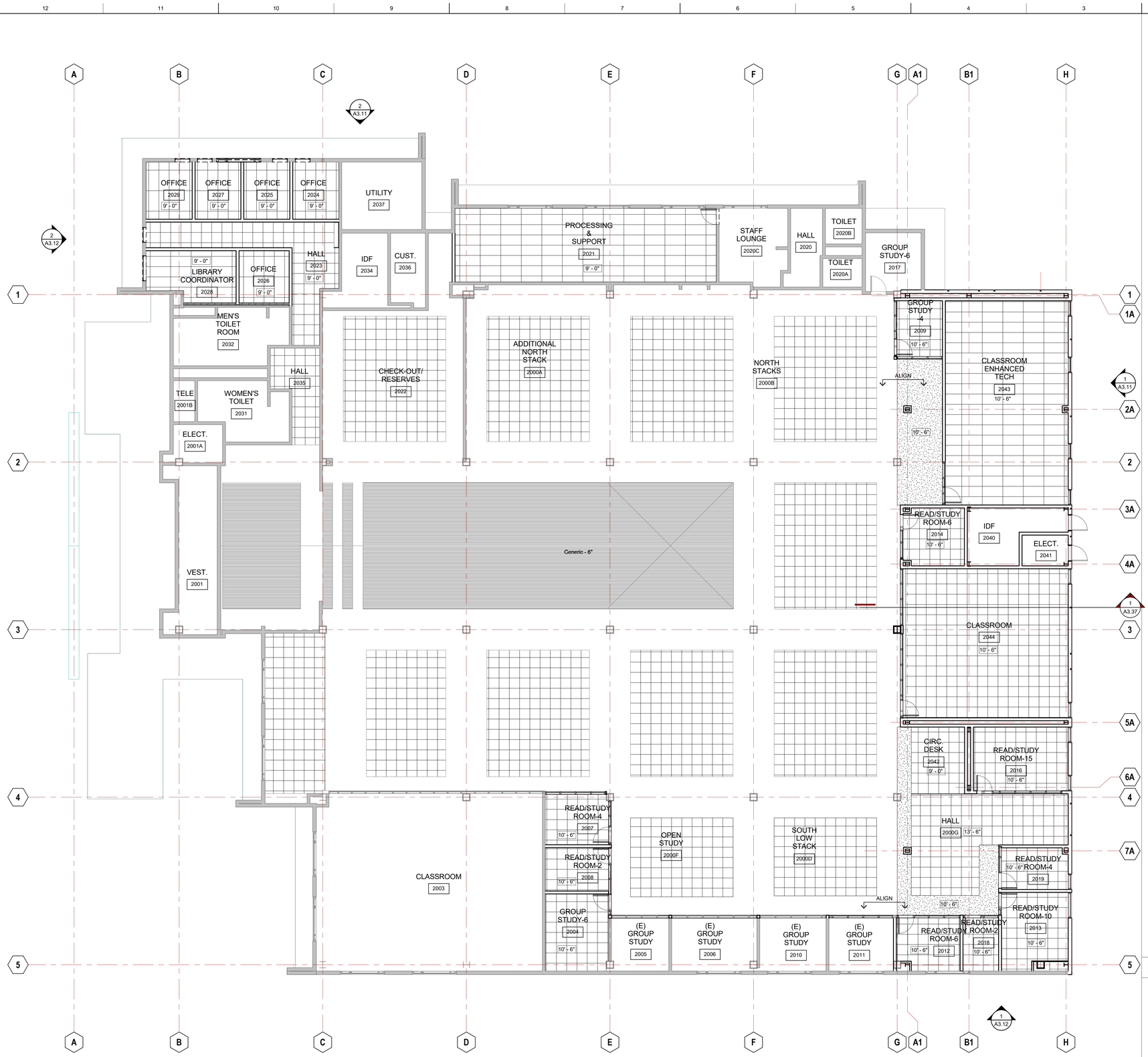
1ST FLOOR - SECTOR 3 - RCP

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

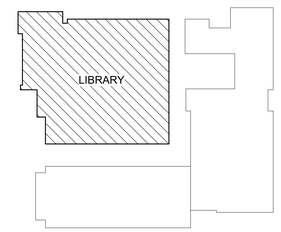
A6.13

DESIGN DEVELOPMENT SET



FIRST FLOOR REFLECTED CEILING PLAN 1
1/8" = 1'-0"

KEY MAP



LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

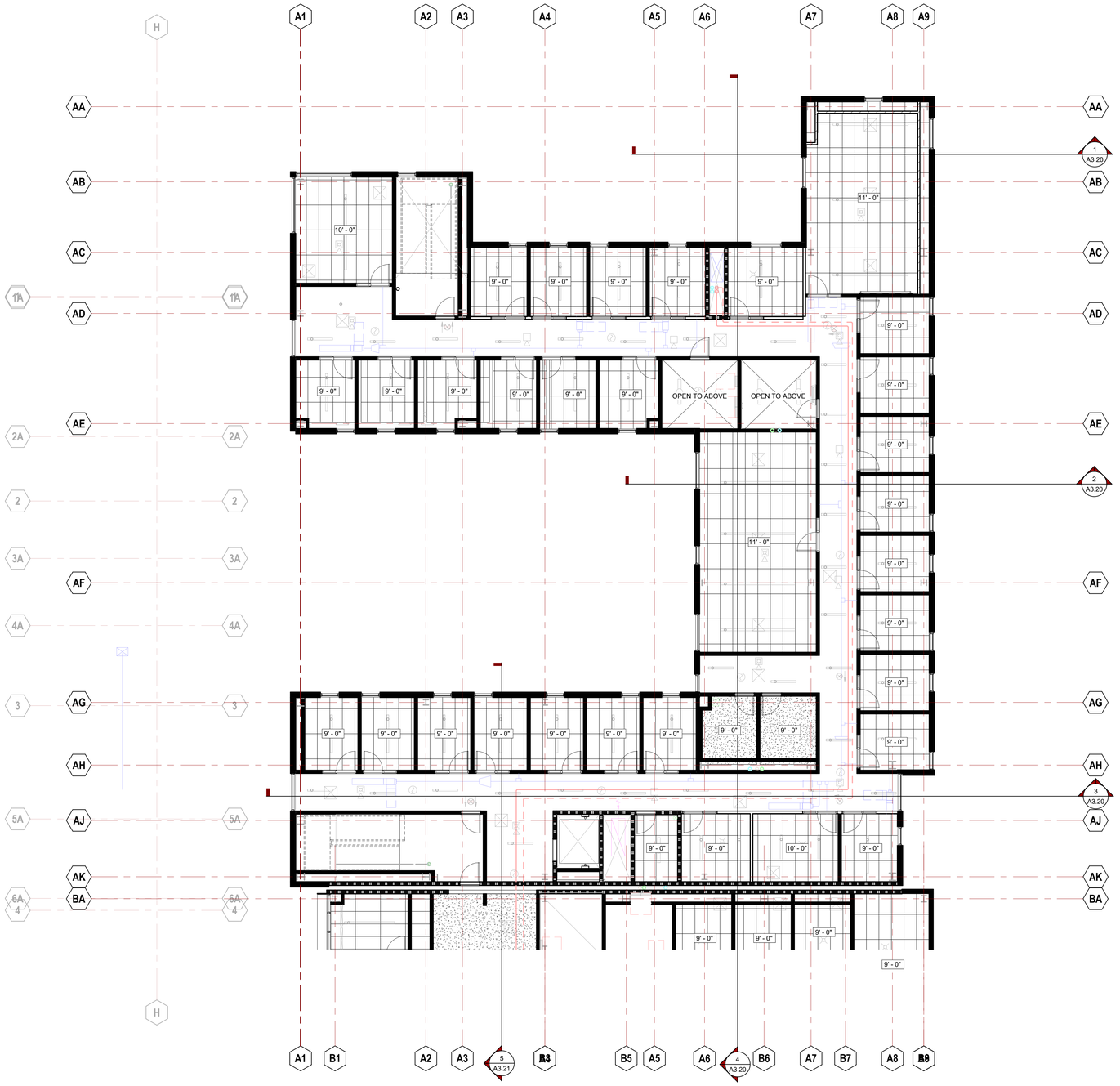
1ST FLOOR - SECTOR 4 - RCP

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

A6.14

DESIGN DEVELOPMENT SET



2ND FLOOR - SECTOR 1 - CEILING PLAN | 1
1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. THE AREA OF WORK SHOWN IS APPROXIMATE. WORK OUTSIDE THE AREA OF WORK MAY BE REQUIRED FOR A COMPLETE PROJECT. ANY WORK REQUIRED OUTSIDE THE AREA OF WORK TO COMPLETE THIS PROJECT SHALL BE CONSIDERED A PART OF THIS CONTRACT.
2. SEE STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING, FIRE ALARM, FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
3. UNLESS OTHERWISE NOTED, CEILING HEIGHT SHALL BE 9'-0" AFF.
4. UNLESS OTHERWISE NOTED, SUSPENDED ACOUSTICAL CEILINGS SHALL BE ARMSTRONG TECH ZONE CEILING SYSTEMS WITH INTEGRATED 4" TECHNICAL ZONES CONTAINING RECESSED LINEAR LIGHTING SYSTEM, MECHANICAL DIFFUSERS AND FIRE SPRINKLER HEADS. LAY-IN PANELS SHALL BE ULTIMA SQUARE TEGULAR IN 9/16" SUPRAFINE XL SUSPENSION SYSTEM.
5. UNLESS OTHERWISE NOTED, PAINT GYPSUM BOARD CEILINGS, SOFFITS, BULKHEADS, ETC. P1.
6. PAINT ALL EXPOSED PIPING, CONDUITS, STRUCTURAL MEMBERS, ETC. EXCEPT IN MECHANICAL, ELECTRICAL ROOMS.
7. UNLESS OTHERWISE NOTED, ALL SCOPE INDICATED SHALL BE CONSIDERED PART OF BASE BID.
8. ALL WIRELESS ACCESS POINTS (WAPS) SHALL BE HIDDEN ABOVE THE CEILING GRID. LOCATIONS TO BE CLEARLY LABELED USING CLEAR LABELS ON METAL GRID LINES; CONFIRM LABELS WITH DISTRICT PRIOR TO INSTALL OF WAPS AND LABELS.

REFLECTED CEILING PLAN LEGEND

- SUSPENDED ACOUSTICAL CEILING
- 5/8" GYPSUM BOARD CEILING / SOFFIT
- ALUMINUM COMPOSITE PANEL SYSTEM MP-1 PER EXTERIOR FINISH LEGEND
- ALUMINUM COMPOSITE PANEL SYSTEM MP-4 PER EXTERIOR FINISH LEGEND
- OPEN TO STRUCTURE
- HVAC SUPPLY
- HVAC RETURN
- EXHAUST VENT
- SURFACE MOUNTED LINEAR LUMINAIRE
- RECESSED 2x4 LUMINAIRE
- RECESSED 2x2 LUMINAIRE
- RECESSED LINEAR LUMINAIRE
- RECESSED LUMINAIRE
- RECESSED SPRINKLER HEAD
- ACCESS HATCH. 24" X 36" MIN

NOTE:
SEE EXTERIOR ELEVATION FOR ADDITIONAL FINISH INFORMATION

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

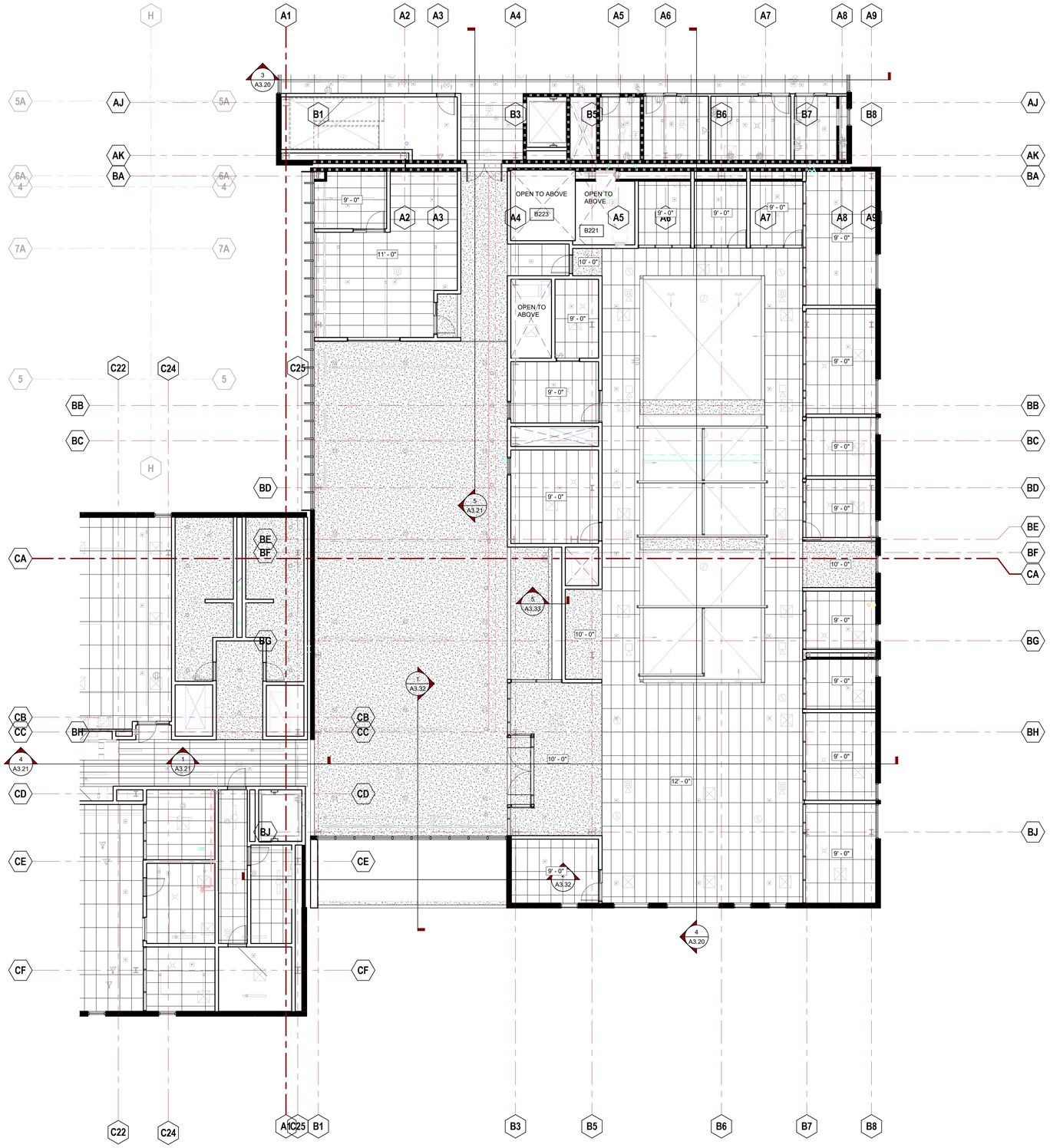
2ND FLOOR - SECTOR 1 - RCP

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

A6.21

DESIGN DEVELOPMENT SET



2ND FLOOR - SECTOR 2 - CEILING PLAN | 1
1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. THE AREA OF WORK SHOWN IS APPROXIMATE. WORK OUTSIDE THE AREA OF WORK MAY BE REQUIRED FOR A COMPLETE PROJECT. ANY WORK REQUIRED OUTSIDE THE AREA OF WORK TO COMPLETE THIS PROJECT SHALL BE CONSIDERED A PART OF THIS CONTRACT.
2. SEE STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING, FIRE ALARM, FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
3. UNLESS OTHERWISE NOTED, CEILING HEIGHT SHALL BE 9'-0" AFF.
4. UNLESS OTHERWISE NOTED, SUSPENDED ACOUSTICAL CEILINGS SHALL BE ARMSTRONG TECH ZONE CEILING SYSTEMS WITH INTEGRATED 4" TECHNICAL ZONES CONTAINING RECESSED LINEAR LIGHTING SYSTEM, MECHANICAL DIFFUSERS AND FIRE SPRINKLER HEADS. LAY-IN PANELS SHALL BE ULTIMA SQUARE TEGULAR IN 9/16" SUPRAFINE XL SUSPENSION SYSTEM.
5. UNLESS OTHERWISE NOTED, PAINT GYPSUM BOARD CEILINGS, SOFFITS, BULKHEADS, ETC. P1.
6. PAINT ALL EXPOSED PIPING, CONDUITS, STRUCTURAL MEMBERS, ETC. EXCEPT IN MECHANICAL, ELECTRICAL ROOMS.
7. UNLESS OTHERWISE NOTED, ALL SCOPE INDICATED SHALL BE CONSIDERED PART OF BASE BID.
8. ALL WIRELESS ACCESS POINTS (WAPS) SHALL BE HIDDEN ABOVE THE CEILING GRID. LOCATIONS TO BE CLEARLY LABELED USING CLEAR LABELS ON METAL GRID LINES; CONFIRM LABELS WITH DISTRICT PRIOR TO INSTALL OF WAPS AND LABELS.

REFLECTED CEILING PLAN LEGEND

- SUSPENDED ACOUSTICAL CEILING
- 5/8" GYPSUM BOARD CEILING / SOFFIT
- ALUMINUM COMPOSITE PANEL SYSTEM MP-1 PER EXTERIOR FINISH LEGEND
- ALUMINUM COMPOSITE PANEL SYSTEM MP-4 PER EXTERIOR FINISH LEGEND
- OPEN TO STRUCTURE
- HVAC SUPPLY
- HVAC RETURN
- EXHAUST VENT
- SURFACE MOUNTED LINEAR LUMINAIRE
- RECESSED 2x4 LUMINAIRE
- RECESSED 2x2 LUMINAIRE
- RECESSED LINEAR LUMINAIRE
- RECESSED LUMINAIRE
- RECESSED SPRINKLER HEAD
- ACCESS HATCH. 24" X 36" MIN

NOTE:
SEE EXTERIOR ELEVATION FOR ADDITIONAL FINISH INFORMATION

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

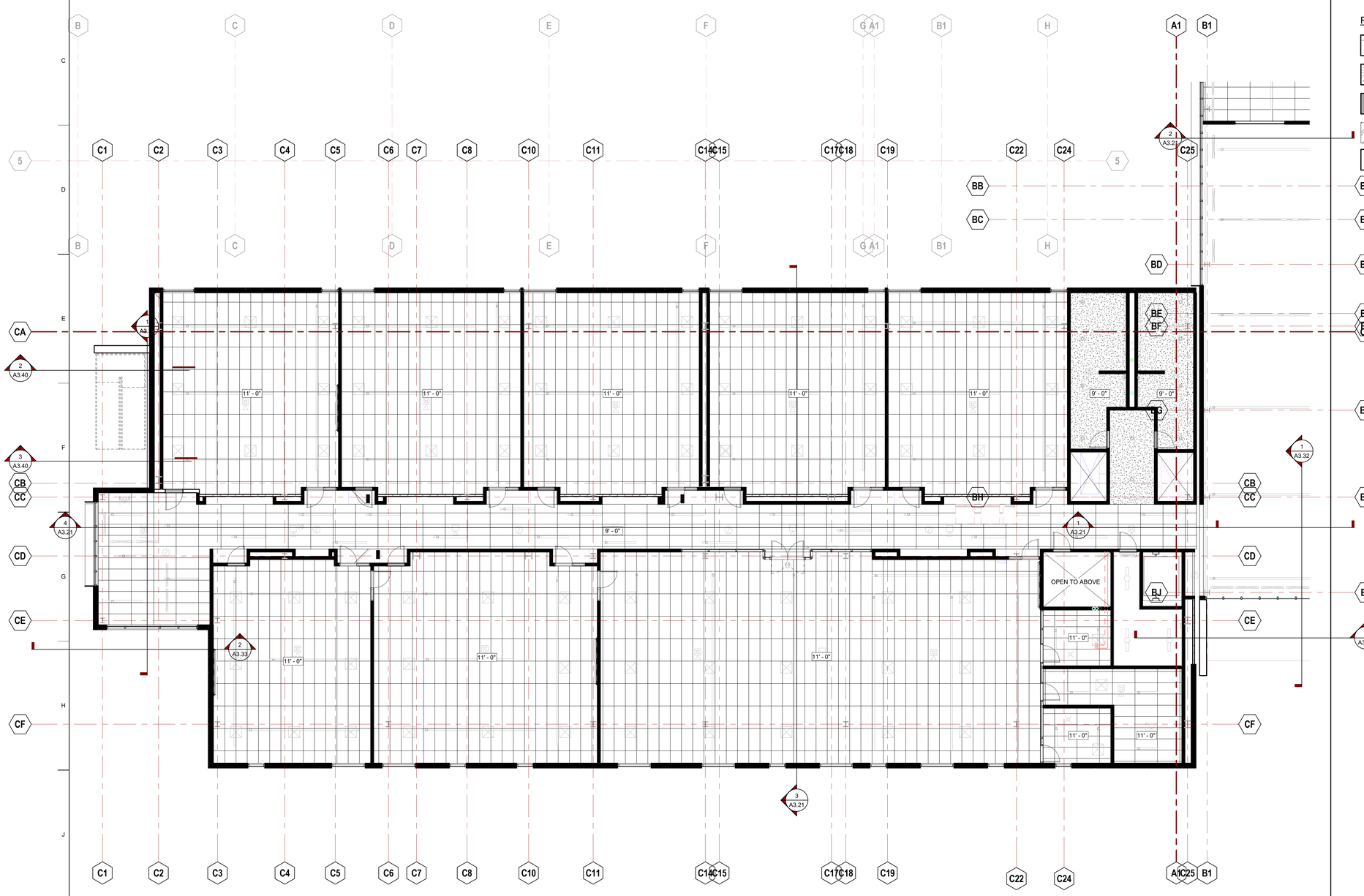
2ND FLOOR - SECTOR 2 - RCP

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

A6.22

DESIGN DEVELOPMENT SET



2ND FLOOR - SECTOR 3 - CEILING PLAN
1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. THE AREA OF WORK SHOWN IS APPROXIMATE. WORK OUTSIDE THE AREA OF WORK MAY BE REQUIRED FOR A COMPLETE PROJECT. ANY WORK REQUIRED OUTSIDE THE AREA OF WORK TO COMPLETE THIS PROJECT SHALL BE CONSIDERED A PART OF THIS CONTRACT.
2. SEE STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING, FIRE ALARM, FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
3. UNLESS OTHERWISE NOTED, CEILING HEIGHT SHALL BE 9'-0" AFF.
4. UNLESS OTHERWISE NOTED, SUSPENDED ACOUSTICAL CEILINGS SHALL BE ARMSTRONG TECH ZONE CEILING SYSTEMS WITH INTEGRATED 4" TECHNICAL ZONES CONTAINING RECESSED LINEAR LIGHTING SYSTEM, MECHANICAL DIFFUSERS AND FIRE SPRINKLER HEADS. LAY-IN PANELS SHALL BE ULTIMA SQUARE TEGULAR IN 9/16" SUPRAFINE XL SUSPENSION SYSTEM.
5. UNLESS OTHERWISE NOTED, PAINT GYPSUM BOARD CEILINGS, SOFFITS, BULKHEADS, ETC. P1.
6. PAINT ALL EXPOSED PIPING, CONDUITS, STRUCTURAL MEMBERS, ETC. EXCEPT IN MECHANICAL, ELECTRICAL ROOMS.
7. UNLESS OTHERWISE NOTED, ALL SCOPE INDICATED SHALL BE CONSIDERED PART OF BASE BID.
8. ALL WIRELESS ACCESS POINTS (WAPS) SHALL BE HIDDEN ABOVE THE CEILING GRID. LOCATIONS TO BE CLEARLY LABELED USING CLEAR LABELS ON METAL GRID LINES; CONFIRM LABELS WITH DISTRICT PRIOR TO INSTALL OF WAPS AND LABELS.

REFLECTED CEILING PLAN LEGEND

- SUSPENDED ACOUSTICAL CEILING
- 5/8" GYPSUM BOARD CEILING / SOFFIT
- ALUMINUM COMPOSITE PANEL SYSTEM MP-1 PER EXTERIOR FINISH LEGEND
- ALUMINUM COMPOSITE PANEL SYSTEM MP-4 PER EXTERIOR FINISH LEGEND
- OPEN TO STRUCTURE
- BB HVAC SUPPLY
- BC HVAC RETURN
- EXHAUST VENT
- BD SURFACE MOUNTED LINEAR LUMINAIRE
- RECESSED 2x4 LUMINAIRE
- BE RECESSED 2x2 LUMINAIRE
- BF CA RECESSED LINEAR LUMINAIRE
- RECESSED LUMINAIRE
- RECESSED SPRINKLER HEAD
- ACCESS HATCH. 24" X 36" MIN
- BG

NOTE:
SEE EXTERIOR ELEVATION FOR ADDITIONAL FINISH INFORMATION

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

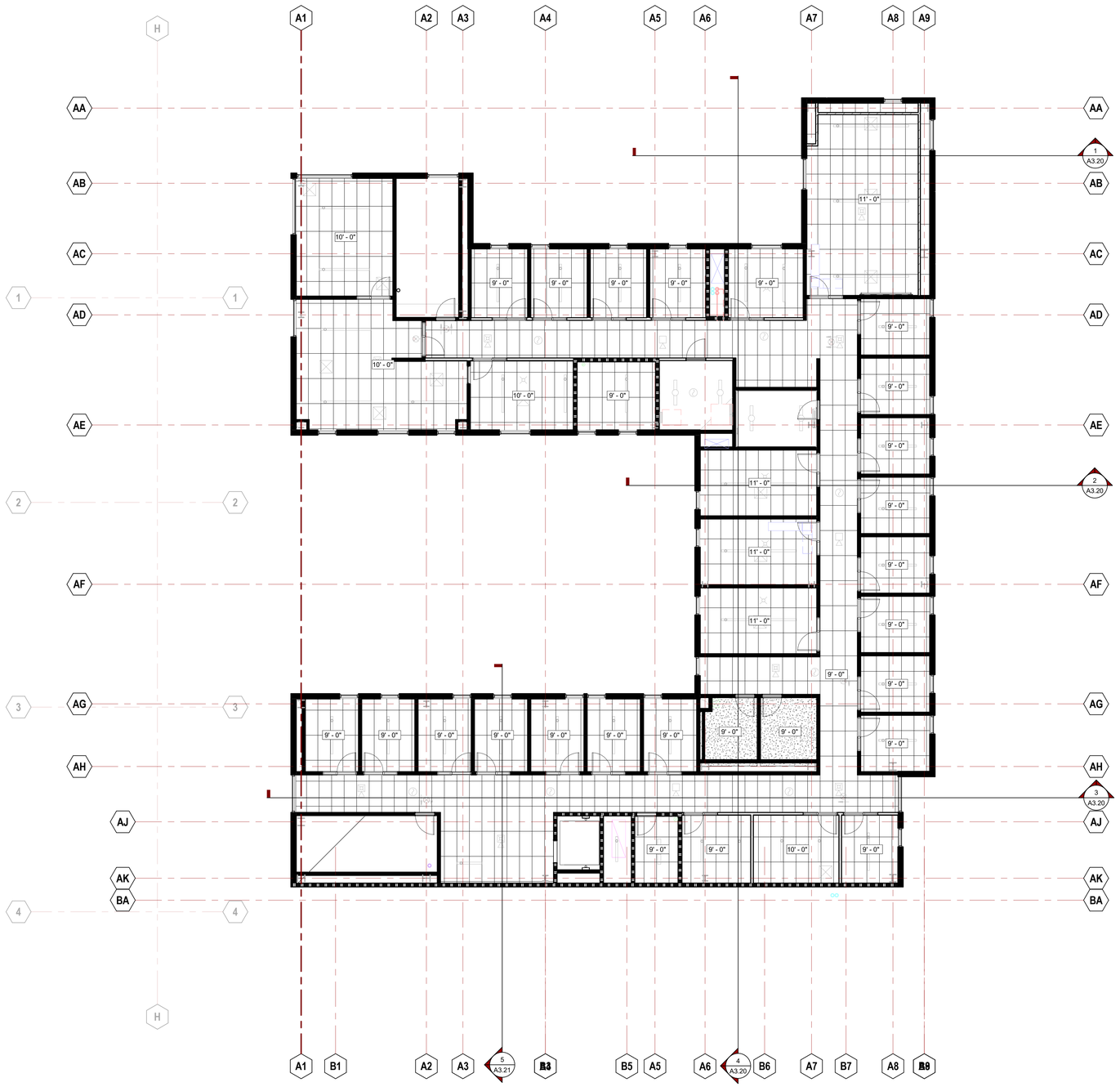
2ND FLOOR - SECTOR 3 - RCP

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

A6.23

DESIGN DEVELOPMENT SET



3RD FLOOR - SECTOR 1 - CEILING PLAN | 1

1/8" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES

1. THE AREA OF WORK SHOWN IS APPROXIMATE. WORK OUTSIDE THE AREA OF WORK MAY BE REQUIRED FOR A COMPLETE PROJECT. ANY WORK REQUIRED OUTSIDE THE AREA OF WORK TO COMPLETE THIS PROJECT SHALL BE CONSIDERED A PART OF THIS CONTRACT.
2. SEE STRUCTURAL, ELECTRICAL, MECHANICAL, PLUMBING, FIRE ALARM, FIRE PROTECTION DRAWINGS FOR ADDITIONAL INFORMATION.
3. UNLESS OTHERWISE NOTED, CEILING HEIGHT SHALL BE 9'-0" AFF.
4. UNLESS OTHERWISE NOTED, SUSPENDED ACOUSTICAL CEILINGS SHALL BE ARMSTRONG TECH ZONE CEILING SYSTEMS WITH INTEGRATED 4" TECHNICAL ZONES CONTAINING RECESSED LINEAR LIGHTING SYSTEM, MECHANICAL DIFFUSERS AND FIRE SPRINKLER HEADS. LAY-IN PANELS SHALL BE ULTIMA SQUARE TEGULAR IN 9/16" SUPRAFINE XL SUSPENSION SYSTEM.
5. UNLESS OTHERWISE NOTED, PAINT GYPSUM BOARD CEILINGS, SOFFITS, BULKHEADS, ETC. P1.
6. PAINT ALL EXPOSED PIPING, CONDUITS, STRUCTURAL MEMBERS, ETC. EXCEPT IN MECHANICAL, ELECTRICAL ROOMS.
7. UNLESS OTHERWISE NOTED, ALL SCOPE INDICATED SHALL BE CONSIDERED PART OF BASE BID.
8. ALL WIRELESS ACCESS POINTS (WAPS) SHALL BE HIDDEN ABOVE THE CEILING GRID. LOCATIONS TO BE CLEARLY LABELED USING CLEAR LABELS ON METAL GRID LINES; CONFIRM LABELS WITH DISTRICT PRIOR TO INSTALL OF WAPS AND LABELS.

REFLECTED CEILING PLAN LEGEND

- SUSPENDED ACOUSTICAL CEILING
- 5/8" GYPSUM BOARD CEILING / SOFFIT
- ALUMINUM COMPOSITE PANEL SYSTEM MP-1 PER EXTERIOR FINISH LEGEND
- ALUMINUM COMPOSITE PANEL SYSTEM MP-4 PER EXTERIOR FINISH LEGEND
- OPEN TO STRUCTURE
- HVAC SUPPLY
- HVAC RETURN
- EXHAUST VENT
- SURFACE MOUNTED LINEAR LUMINAIRE
- RECESSED 2x4 LUMINAIRE
- RECESSED 2x2 LUMINAIRE
- RECESSED LINEAR LUMINAIRE
- RECESSED LUMINAIRE
- RECESSED SPRINKLER HEAD
- ACCESS HATCH. 24" X 36" MIN

NOTE:
SEE EXTERIOR ELEVATION FOR ADDITIONAL FINISH INFORMATION

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

3RD FLOOR - SECTOR 1 - RCP

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

A6.31

DESIGN DEVELOPMENT SET

FINISH MATERIAL LEGEND

FINISH CODE	STYLE/TYPE, COLOR, SIZE	NOTES
CPT1	TARKETT, MODULAR	
RF1	MARMOLEUM/TARKETT	PRIMARY
B1	4" RUBBER BASE; COLOR: 48 GREY	PROVIDE TOELESS AT CARPET AND WITH TOE AT RESILIENT INSTALLATIONS
B2	SAME AS FLOOR MATERIAL	PROVIDE J-MOLD AT TOP EDGE OF BASE
P1	KELLY MOORE	PRIMARY PAINT (WHITE)
P2		
P3		
P4		
P5		
PL1	FORMICA	VERTICAL CASEWORK SURFACES
PL2		
PL3		
PL4		
T1	DAL TILE	
T2	DAL TILE	
T3		
T4		
T5		
CL1	ULTIMA HIGH NRC SECOND LOOK TEGULAR; 9/16" SUPRAFINE XL GRID; COLOR WHITE	REFER TO RCP; TECHZONE W/ INTEGRATED LIGHTING; SUSPENSION SYSTEM 9/16". PROVIDE ALL ACCESSORIES & COMPONENTS: WALL TRIM, PERIMETER TRIM AT AN FLOATING/EXPOSED EDGES AND SHADOW MOLDING
CL2	ULTIMA HIGH NRC 2X4 BEVELED TEGULAR; 9/16" SUPRAFINE XL GRID; COLOR WHITE	REFER TO RCP
SP1	TERRAZZO FLOORING	
SP2	SEALED CONCRETE	
SP3		
SP4		
SP5		
SP6		
SP7		
SP8		
SP9		
SP10		
SP11		
SP12		
SP13		
SP14		
SP15		
SP16		
SP17		
SP18		
RF2	MARMOLEUM/TARKETT	STATIC DISSOPATIVE FLOORING
SS1	FORMICA	SOLID SURFACE

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

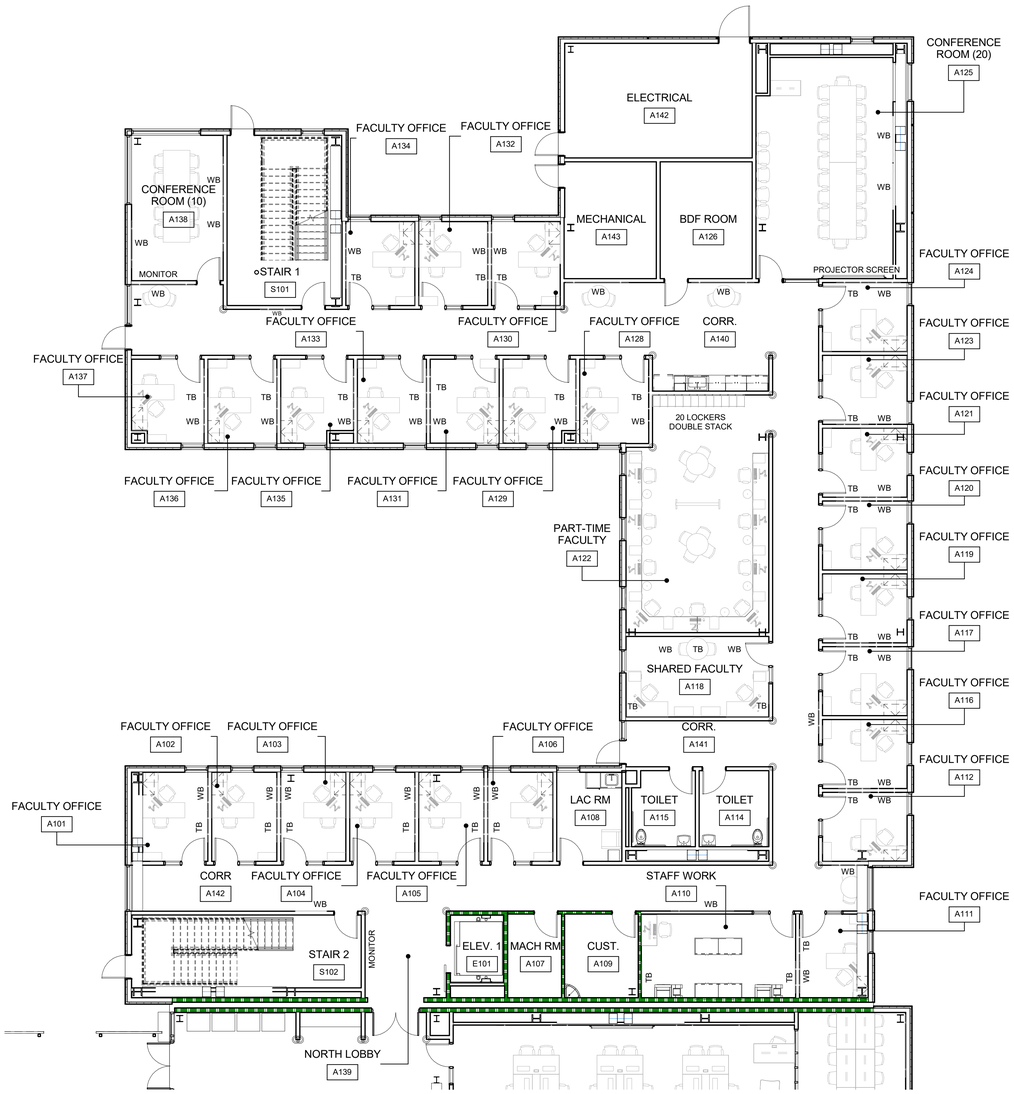
FINISH LEGEND

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

ID2.65

DESIGN DEVELOPMENT SET



1ST FLOOR - SECTOR 1 - FURNITURE PLAN
1/8" = 1'-0"

1

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN CONSENT OF LPAS, INC. WITHOUT THE CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

1ST FLOOR- SECTOR 1 - FURNITURE PLAN

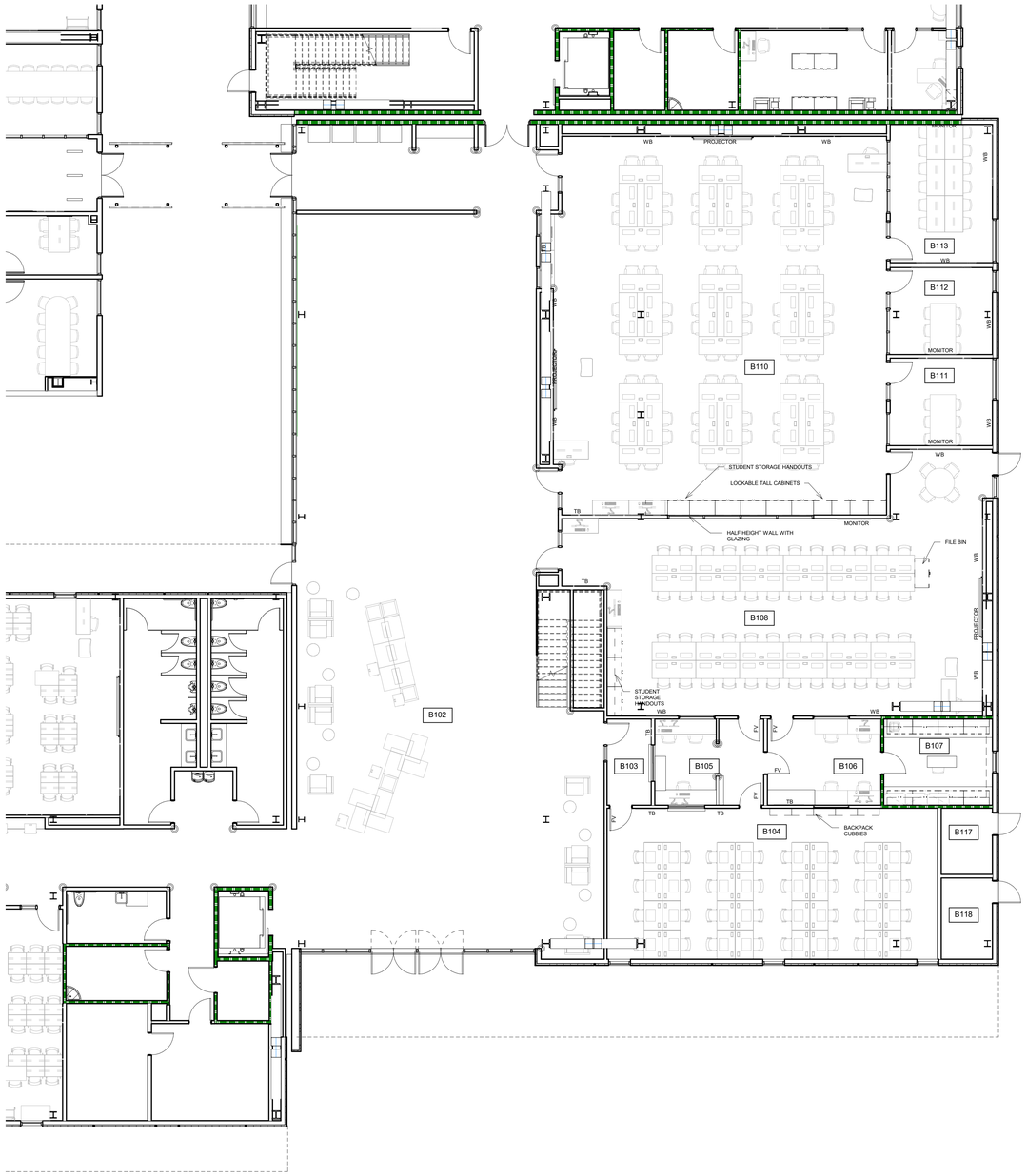
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

ID2.71

DESIGN DEVELOPMENT SET



1ST FLOOR - SECTOR 2 - FURNITURE PLAN | 1
1/8" = 1'-0"

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

1ST FLOOR- SECTOR 2 - FURNITURE PLAN

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

ID2.72

DESIGN DEVELOPMENT SET

1ST FLOOR - SECTOR 3 - FURNITURE PLAN | 1

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

1ST FLOOR- SECTOR 3 - FURNITURE PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

ID2.73

DESIGN DEVELOPMENT SET

1ST FLOOR - SECTOR 4 - FURNITURE PLAN
1/8" = 1'-0" | 1

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2020.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

1ST FLOOR- SECTOR 4 - FURNITURE PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

ID2.74

DESIGN DEVELOPMENT SET

2ND FLOOR - SECTOR 1 - FURNITURE PLAN
1/8" = 1'-0"
1

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2020.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

2ND FLOOR- SECTOR 1 - FURNITURE PLAN

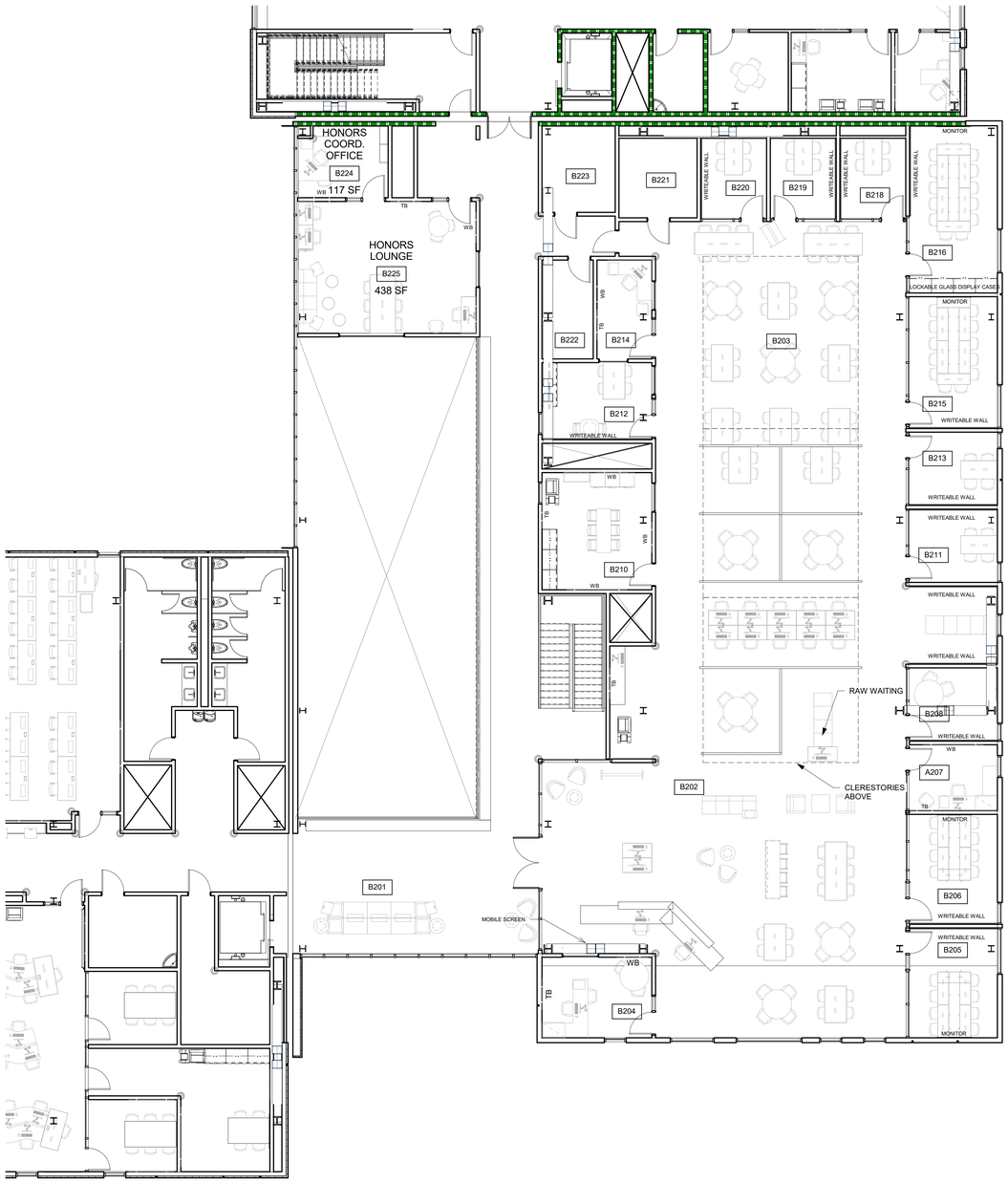
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

ID2.81

DESIGN DEVELOPMENT SET



2ND FLOOR - SECTOR 2 - FURNITURE PLAN 1
1/8" = 1'-0"

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

2ND FLOOR- SECTOR 2 - FURNITURE PLAN

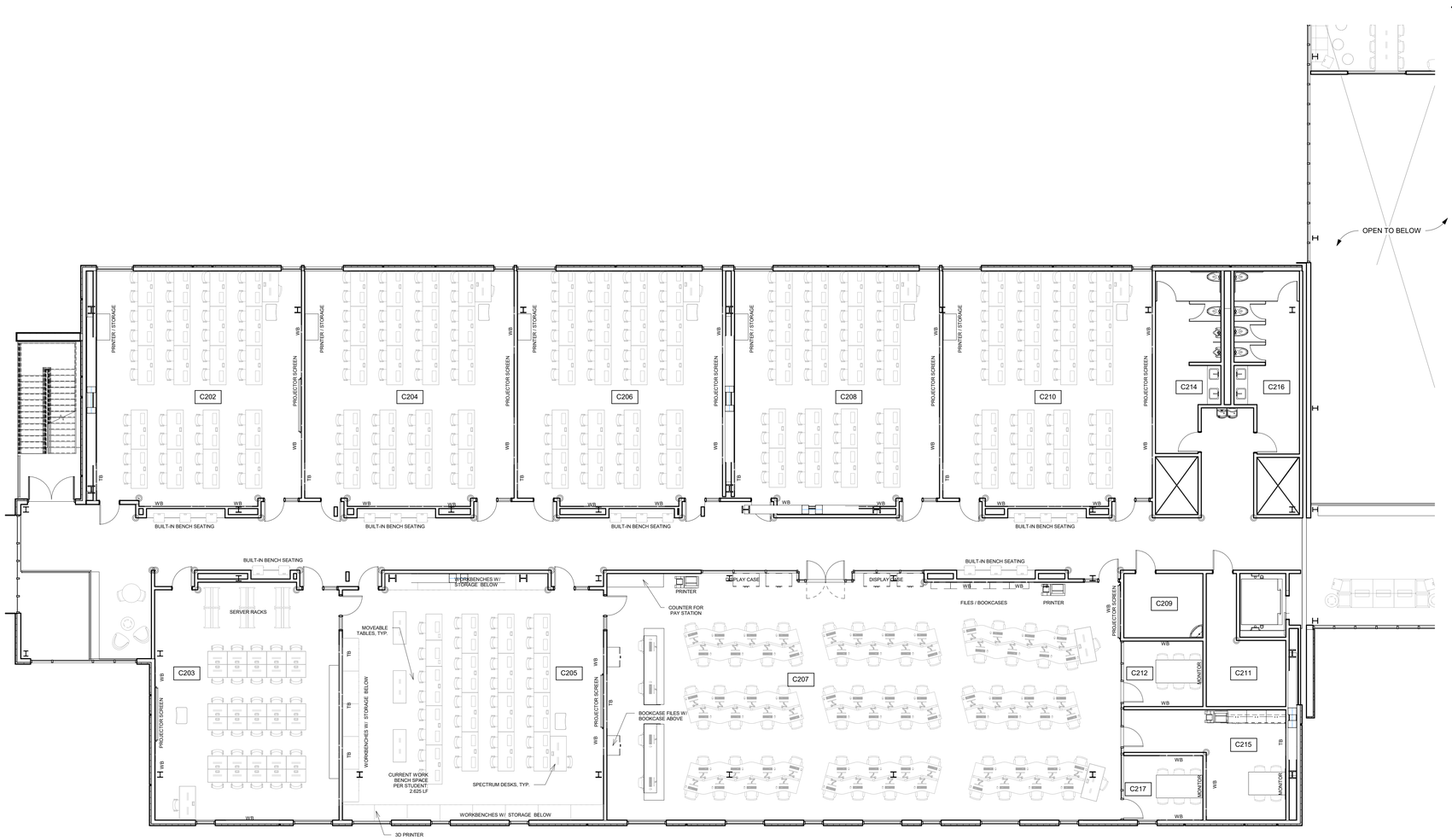
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

ID2.82

DESIGN DEVELOPMENT SET



2ND FLOOR - SECTOR 3 - FURNITURE PLAN | 1
1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

2ND FLOOR- SECTOR 3 - FURNITURE PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

ID2.83

DESIGN DEVELOPMENT SET

3RD FLOOR - SECTOR 1 - FURNITURE PLAN
1/8" = 1'-0"
1

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2020.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

CONSULTANT

3RD FLOOR- SECTOR 1 - FURNITURE PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

ID2.84

DESIGN DEVELOPMENT SET

LAS POSITAS COLLEGE - BLDG 2100

LIVERMORE, CA

DESIGN DEVELOPMENT SET

11-07-19

STRUCTURAL DRAWING LIST

SHEET NO	SHEET NAME
S1.00	DRAWING LIST, SYMBOLS & ABBREVIATIONS
S1.01	GENERAL STRUCTURAL NOTES
S1.02	GENERAL STRUCTURAL NOTES
S2.11	LEVEL 01 - SECTOR 1
S2.12	LEVEL 01 - SECTOR 2
S2.13	LEVEL 01 - SECTOR 3
S2.14	LEVEL 01 - SECTOR 4
S2.21	LEVEL 02 - SECTOR 1
S2.22	LEVEL 02 - SECTOR 2
S2.23	LEVEL 02 - SECTOR 3
S2.24	ROOF - SECTOR 4
S2.31	LEVEL 03 - SECTOR 1
S2.32	ROOF - SECTOR 2
S2.33	ROOF - SECTOR 3
S2.41	ROOF - SECTOR 1
S3.01	BRACE FRAME ELEVATIONS
S3.11	BRACE FRAME ELEVATIONS
S3.12	BRACE FRAME ELEVATIONS
S3.13	BRACE FRAME ELEVATIONS
S4.00	LAP, DEVELOPMENT AND SPREAD FOOTING SCHEDULES
S4.01	TYPICAL SHALLOW FOOTING DETAILS
S4.02	TYPICAL SLAB-ON-GRADE DETAILS
S4.03	BRACED FRAME FOOTING DETAILS
S5.00	TYPICAL STEEL BASE PLATE DETAILS
S5.01	TYPICAL STEEL BEAM DETAILS
S5.02	TYPICAL STEEL BEAM DETAILS
S5.03	TYPICAL STEEL BEAM DETAILS
S5.06	ELEVATOR DETAILS
S5.10	TYPICAL STEEL DECK DETAILS
S5.11	TYPICAL STEEL DECK DETAILS
S5.12	TYPICAL STEEL DECK DETAILS
S5.20	BUCKLING RESTRAINED BRACED FRAME DETAILS
S5.21	BUCKLING RESTRAINED BRACED FRAME DETAILS
S6.00	TYPICAL EXTERIOR METAL STUD DETAILS
S6.01	TYPICAL EXTERIOR METAL STUD DETAILS
S6.02	TYPICAL EXTERIOR METAL STUD DETAILS
S6.10	TYPICAL INTERIOR METAL STUD DETAILS
S6.11	TYPICAL INTERIOR METAL STUD DETAILS
S6.20	TYPICAL INTERIOR SOFFIT AND CEILING DETAILS
S6.21	TYPICAL METAL STUD DETAILS
S6.22	TYPICAL METAL STUD DETAILS

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti

Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

COVER SHEET & DRAWING LIST

PROJECT NO: U19003.00

DATE: 11-07-19

SHEET NO:

S000

DESIGN DEVELOPMENT SET

LAS POSITAS COLLEGE B2100

STRUCTURAL DRAWING LIST

SHEET NO	SHEET NAME
S1.00	DRAWING LIST, SYMBOLS & ABBREVIATIONS
S1.01	GENERAL STRUCTURAL NOTES
S1.02	GENERAL STRUCTURAL NOTES
S2.11	LEVEL 01 - SECTOR 1
S2.12	LEVEL 01 - SECTOR 2
S2.13	LEVEL 01 - SECTOR 3
S2.14	LEVEL 01 - SECTOR 4
S2.21	LEVEL 02 - SECTOR 1
S2.22	LEVEL 02 - SECTOR 2
S2.23	LEVEL 02 - SECTOR 3
S2.24	ROOF - SECTOR 4
S2.31	LEVEL 03 - SECTOR 1
S2.32	ROOF - SECTOR 2
S2.33	ROOF - SECTOR 3
S2.41	ROOF - SECTOR 1
S3.01	BRACE FRAME ELEVATIONS
S3.11	BRACE FRAME ELEVATIONS
S3.12	BRACE FRAME ELEVATIONS
S3.13	BRACE FRAME ELEVATIONS
S4.00	LAP, DEVELOPMENT AND SPREAD FOOTING SCHEDULES
S4.01	TYPICAL SHALLOW FOOTING DETAILS
S4.02	TYPICAL SLAB-ON-GRADE DETAILS
S4.03	BRACED FRAME FOOTING DETAILS
S5.00	TYPICAL STEEL BASE PLATE DETAILS
S5.01	TYPICAL STEEL BEAM DETAILS
S5.02	TYPICAL STEEL BEAM DETAILS
S5.03	TYPICAL STEEL BEAM DETAILS
S5.06	ELEVATOR DETAILS
S5.10	TYPICAL STEEL DECK DETAILS
S5.11	TYPICAL STEEL DECK DETAILS
S5.12	TYPICAL STEEL DECK DETAILS
S5.20	BUCKLING RESTRAINED BRACED FRAME DETAILS
S5.21	BUCKLING RESTRAINED BRACED FRAME DETAILS
S6.00	TYPICAL EXTERIOR METAL STUD DETAILS
S6.01	TYPICAL EXTERIOR METAL STUD DETAILS
S6.02	TYPICAL EXTERIOR METAL STUD DETAILS
S6.10	TYPICAL INTERIOR METAL STUD DETAILS
S6.11	TYPICAL INTERIOR METAL STUD DETAILS
S6.20	TYPICAL INTERIOR SOFFIT AND CEILING DETAILS
S6.21	TYPICAL METAL STUD DETAILS
S6.22	TYPICAL METAL STUD DETAILS

SYMBOLS LEGEND

SYMBOLS	DESCRIPTION	REFERENCE
T/SLAB EL = 0' - 0"	ELEVATION	
AHD 1 1000 lbs	AIR HANDLING UNIT AND MAX OPERATING WEIGHT	
X"	X - INDICATES CHANGE IN T/STRUCTURAL SLAB ELEVATION	
UP DN	INDICATES SLOPE IN STRUCTURAL SLAB	
?	GRID NUMBER	
	WORK POINT	
OPEN	OPENING IN FLOOR OR ROOF	
	SLOPE	
SLRS	ALL COLUMNS, BEAMS, BRACES AND THEIR CONNECTIONS ON LINES DENOTED "SLRS" SHALL COMPLY WITH SPECIFICATION REQUIREMENTS FOR THE SEISMIC-LOAD-RESISTANCE SYSTEM	SEE SPECS SECTION 05 12 10
	SLOPED OR DEPRESSED SLAB	
	CONCRETE CURB ON DECK OR SLAB	- --- - ---
F11 (-2'-6")	SPREAD FOOTING TYPE AND TOP OF FOOTING ELEVATION	- ---
S S	STEP IN FOOTING	- ---
CF-X	CONTINUOUS FOOTING	- ---
X-X	SLAB REINFORCING DIRECTION	
	CONCRETE WALL	
	SHEAR OR BEARING WALL BELOW (AND NOT ABOVE)	
	SHEAR OR BEARING WALL (ABOVE AND BELOW)	
	INDICATES SOLAR READY AREA	
	INDICATES MECHANICAL UNIT	

SYMBOLS	DESCRIPTION	REFERENCE
"X"	"X" TYPE METAL DECKING SPAN DIRECTION SEE DECK SCHEDULE	- ---
c=X"	CAMBER	
(X,Y,Z) OR (X)	WELDED STUDS	- ---
C-X C-X	STEEL COLUMN	
H	WELDED CONNECTION AT T&B FLANGE OF NON-MOMENT FRAME BEAM	- --- - --- - ---
	WELDED CONNECTION AT TOP AND BOTTOM FLANGE OF NON-MOMENT FRAME BEAM	- ---
H F	MODIFICATION TO SHEAR PLATE F= FULL DEPTH SHEAR PLATE 1=1" ø BOLTS	- ---
-D	DROPPED BEAM "D" NUMBER OF INCHES	
WT	WT SECTION ON TOP OR BELOW BEAM	
	LOWER FLANGE BRACE TO ADJACENT BEAM	
	LOWER FLANGE BRACE TO SLAB	
	SPLICE IN MEMBER	- --- - ---
BF-#	BRACED FRAME	
	BRACED FRAME ABOVE	
	BRACED FRAME BELOW	
	BRACED AT CHANGE IN T/S. ELEVATIONS	
SLRS OR DCW	NOTCH-TOUGH ELECTRODES	SEE SPECS
	BEND IN BEAM	- ---
A X'-XX"	INDICATES BEAM WEB PENETRATION AND PENETRATION LOCATION FROM END OF BEAM	- --- - ---

ABBREVIATIONS

ABBREVIATION	DESCRIPTION
(E)	EXISTING
(N)	NEW
ABV	ABOVE
ADDL	ADDITIONAL
ADJ	ADJACENT
AESS	ARCHITECTURALLY EXPOSED STRUCTURAL STEEL
ALT	ALTERNATE
APPRX	APPROXIMATE
AR	ANCHOR RODS
ARCH	ARCHITECT OR ARCHITECTURAL
B/	BOTTOM OF
B/B	BACK TO BACK
BAL	BALANCE
BF	BRACED FRAME
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BLW	BELOW
BM	BEAM
BOT	BOTTOM
BRDG	BRIDGING
BRG	BEARING
BS	BOTH SIDES
BTWN	BETWEEN
C	COMPRESSION
C/C	CENTER TO CENTER
CIP	CAST-IN-PLACE
CJP	COMPLETE JOINT PENETRATION
CL	CENTER LINE
CLR	CLEAR OR CLEARANCE
CMU	CONCRETE MASONRY UNIT
COL	COLUMN
COMP	COMPRESSION
CONC	CONCRETE
CONN	CONNECTION(S)
CONST	CONSTRUCTION
CONT	CONTINUOUS
CTR	CENTER(ED)
CTRSK	COUNTERSINK
db	DIAMETER OF BOLT OR REBAR
DBL	DOUBLE
DCW	DEMAND CRITICAL WELD
DEG	DEGREE(S)
DET	DETAIL
DF	DOUGLAS FIR
DIA	DIAMETER
DIAG	DIAGONAL
DIM(S)	DIMENSION(S)
DL	DEAD LOAD
DWG(S)	DRAWING(S)
DWL	DOWEL(S)
EA	EACH
ECC	ECCENTRICITY
EF	EACH FACE
EL	ELEVATION
ELEC	ELECTRICAL
EN	EDGE NAIL
ENGR	ENGINEER
EOS	EDGE OF SLAB
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EXP	EXPANSION
EXT	EXTERIOR
F/	FACE OF
F/F	FACE TO FACE
FF	FINISH FLOOR
FIN	FINISH(ED)
FLR	FLOOR
FND	FOUNDATION
FP	FIREPROOF(ING)
FRM'G	FRAMING
FS	FAR SIDE
FTG	FOOTING
GA	GAGE, GAUGE
GALV	GALVANIZED
GB	GRADE BEAM
GEN	GENERAL
GLB	GLUE-LAMINATED BEAM
GR	GRADE
HD	HOLDOWN
HK	HOOK
HORIZ	HORIZONTAL
HP	HIGH POINT
HSS	HOLLOW STRUCTURAL SECTION (TUBE STEEL)
HT	HEIGHT
ID	INSIDE DIAMETER
IF	INSIDE FACE
INFO	INFORMATION
INT	INTERIOR
INTRM	INTERMEDIATE
JH	JOIST HANGER
JST(S)	JOIST(S)
JT	JOINT
K	KIPS (1,000 POUNDS)
KLF	KIP PER LINEAR FOOT
KSF	KIP PER SQUARE FOOT
LBS	POUNDS
LCS	LAP COMPRESSION SPLICE
LL	LIVE LOAD
LLH	LONG LEG HORIZONTAL
LLV	LONG LEG VERTICAL

ABBREVIATION	DESCRIPTION
LONG	LONGITUDINAL
LP	LOW POINT
LSL	LAMINATED STRAND LUMBER
LTS	LAP TENSION SPLICE OR CLASS "B" LAP SPLICE
LVL	LAMINATED VENEER LUMBER
LW	LIGHTWEIGHT
LWC	LIGHTWEIGHT CONCRETE
M	MOMENT
MATL	MATERIAL
MAX	MAXIMUM
MB	UNFINISHED MACHINE BOLT
MC	MOMENT CONNECTION(S)
MECH	MECHANICAL
MEP	MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION
MEZZ	MEZZANINE
MFR	MANUFACTURER
MID	MIDDLE
MIN	MINIMUM
MISC	MISCELLANEOUS
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NS	NEAR SIDE
NTS	NOT TO SCALE
Nvd	NUMBER OF DIAGONAL SHEAR REINF BARS IN LINK BEAM
NW	NORMAL WEIGHT
NWC	NORMALWEIGHT CONCRETE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OF	OUTSIDE FACE
OH	OPPOSITE HAND
OPNG(S)	OPENING(S)
OPP	OPPOSITE
OSB	ORIENTED STRAND BOARD
OSL	OUTSTANDING LEG
P/T	POST-TENSIONED
PAF	POWDER ACTUATED FASTENER
PC	PIECE
PCY	POUNDS PER CUBIC YARD
PERP	PERPENDICULAR
PG	PLATE GIRDER
PJP	PARTIAL JOINT PENETRATION
PL	PLATE
PLY	PLYWOOD
PRC	PRECAST
PRLL	PARALLEL
PSF	POUNDS PER SQUARE FOOT
PSI	POUNDS PER SQUARE INCH
PSL	PARALLEL STRAND LUMBER
PT	POINT
RAD	RADIUS
REF	REFERENCE
REINF	REINFORCE(D) (ING) OR (MENT)
REQD	REQUIRED
RWD	REDWOOD
SCHED	SCHEDULE(D)
SDL	SUPERIMPOSED DEAD LOAD
SECT	SECTION
SER	STRUCTURAL ENGINEER OF RECORD
SF	SQUARE FOOT (FEET)
SHT	SHEET
SIM	SIMILAR
SLRS	SEISMIC LOAD RESISTING SYSTEM
SMRF	SPECIAL MOMENT RESISITNG FRAME
SMS	SHEET METAL SCREW(S)
SOG	SLAB ON GRADE
SP	SPACE
SPEC(S)	SPECIFICATION(S)
SQ	SQUARE
STD	STANDARD
STL	STEEL
STR	STRUCTURE
STRCTL	STRUCTURAL
SYMM	SYMMETRICAL
T	TENSION
T&B	TOP AND BOTTOM
T&G	TONGUE AND GROOVE
T/	TOP OF
TD	TIE DOWN
TEMP	TEMPERATURE OR TEMPORARY
TEN	TENSION
THK	THICK OR THICKNESS
THRD'D	THREADED
TRANSV	TRANSVERSE
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	SHEAR
VERT	VERTICAL
VIF	VERIFY IN FIELD
W/	WITH
W/O	WITHOUT
WD	WOOD
WF	WIDE FLANGE
WP	WORK POINT
WPFG	WATERPROOFING
WS	WATERSTOP
WT	WEIGHT
WWR	WELDED WIRE REINFORCEMENT

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

DRAWING LIST, SYMBOLS & ABBREVIATIONS

PROJECT NO: U19003.00

DATE: 11-07-19

SHEET NO:

S1.00

DESIGN DEVELOPMENT SET

GR GENERAL REQUIREMENTS

GR-1) AS USED IN THESE GENERAL NOTES:
"DRAWINGS" MEANS THE LATEST STRUCTURAL DESIGN DRAWINGS, UON.
"SPECIFICATIONS" MEANS THE LATEST PROJECT SPECIFICATIONS, UON.
"CONTRACT DOCUMENTS" IS DEFINED AS THE DESIGN DRAWINGS AND THE SPECIFICATIONS
"SER" IS DEFINED AS THE STRUCTURAL ENGINEER OF RECORD FOR THE STRUCTURE IN ITS FINAL CONDITION.
"DESIGN PROFESSIONALS" IS DEFINED AS THE OWNER'S ARCHITECT AND SER.
"MEP" INCLUDES, BUT IS NOT LIMITED TO MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION.
"CONTRACTOR" IS DEFINED TO INCLUDE ANY OF THE FOLLOWING: GENERAL CONTRACTOR AND THEIR SUBCONTRACTORS, CONSTRUCTION MANAGER AND THEIR SUBCONTRACTORS, STRUCTURAL STEEL FABRICATOR OR STRUCTURAL STEEL ERECTOR.
"BASE BUILDING STRUCTURE" IS DEFINED AS THE STRUCTURAL FRAME DESIGNED BY THORNTON TOMASETTI.
"STRUCTURE IN ITS FINAL CONDITION" MEANS ALL STRUCTURAL ELEMENTS SHOWN ON THE STRUCTURAL CONTRACT DOCUMENTS ARE INSTALLED AND COMPLETELY CONNECTED AND INSPECTED WITH NO OUTSTANDING NON-COMPLIANCE ISSUES.

GR-2) THE CONTRACTOR IS RESPONSIBLE FOR COORDINATION OF THE STRUCTURAL WORK WITH THE ARCHITECTURAL, CIVIL, MEP CONTRACT DOCUMENTS, AS WELL AS ANY OTHER APPLICABLE TRADES.

GR-3) THE CONTRACTOR IS RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE UNTIL THE CONSTRUCTION OF THE STRUCTURE REACHES ITS FINAL CONDITION.

GR-4) THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE DESIGN, INSTALLATION, AND REMOVAL OF TEMPORARY BRACING AND CONSTRUCTION SUPPORTS, FOR NEW AND EXISTING STRUCTURES, AS NECESSARY TO COMPLETE THE PROJECT. NO PORTION OF THE PROJECT WHILE UNDER CONSTRUCTION IS INTENDED TO BE STABLE IN THE ABSENCE OF THE CONTRACTOR'S TEMPORARY SUPPORTS AND BRACES. CONTRACTOR SHALL RETAIN A STRUCTURAL ENGINEER LICENSED IN THE STATE IN WHICH THE PROJECT IS LOCATED TO DESIGN TEMPORARY BRACING AND CONSTRUCTION SUPPORTS.

GR-5) LATERAL LOAD RESISTANCE AND STABILITY OF THE STRUCTURE IN ITS FINAL CONDITION IS PROVIDED BY BRACED FRAMES. AND LATERAL STABILITY OF OTHER ELEMENTS IS PROVIDED THROUGH FLOOR SLABS; ROOF DECK; AND IN FLOOR BRACING.

GR-6) THE SPECIFICATIONS ARE AN INTEGRAL PART OF THE CONTRACT DOCUMENTS AND SHALL BE USED IN CONJUNCTION WITH THE STRUCTURAL DRAWINGS.

GR-7) THE CONTRACTOR SHALL VERIFY ALL EXISTING DIMENSIONS AND CONDITIONS AND COORDINATE WITH THE STRUCTURAL DRAWINGS, ARCHITECTURAL DRAWINGS, DRAWINGS FROM OTHER CONSULTANTS, PROJECT SHOP DRAWINGS AND FIELD CONDITIONS.

GR-8) IN CASES OF CONFLICT BETWEEN DRAWINGS AND/OR SPECIFICATIONS AND OTHER DISCIPLINES OR EXISTING CONDITIONS, CONTRACTOR SHALL NOTIFY THE DESIGN PROFESSIONALS AND OBTAIN CLARIFICATION PRIOR TO BIDDING AND PROCEEDING WITH WORK.

GR-9) APPLY DETAILS, SECTIONS, AND NOTES ON THE DRAWINGS WHERE CONDITIONS ARE SIMILAR TO THOSE INDICATED BY DETAIL, DETAIL TITLE OR NOTE.

GR-10) ONLY USE DIMENSIONS INDICATED ON THE DRAWINGS. DO NOT SCALE DRAWINGS.

GR-11) ASSUME EQUAL SPACING BETWEEN ESTABLISHED DIMENSIONS, IF NOT INDICATED ON DRAWINGS.

GR-12) CENTERLINES OF COLUMNS AND FOUNDATIONS COINCIDE WITH GRID LINE INTERSECTIONS, UON.

GR-13) CENTERLINES OF FRAMING MEMBERS COINCIDE WITH COLUMN CENTERLINES, UON.

GR-14) THE CONTRACTOR SHALL PROTECT EXISTING FACILITIES, STRUCTURES AND UTILITIES FROM DAMAGE.

GR-15) THE CONTRACTOR SHALL VERIFY THAT CONSTRUCTION LOADS DO NOT EXCEED THE CAPACITY OF THE STRUCTURE AT THE TIME THE LOAD IS APPLIED.

GR-16) THE CONTRACTOR SHALL COORDINATE THE BOTTOM OF BASE PLATE ELEVATIONS WITH THE AS-BUILT TOP OF SUPPORT ELEVATIONS.

GR-17) THE CONTRACTOR SHALL VERIFY ALL OPENING SIZES AND LOCATIONS WITH OTHER DISCIPLINES. THE DRAWINGS DO NOT SHOW ALL OPENINGS REQUIRED. ADDITIONAL OPENINGS, BLOCKOUTS AND SLEEVES MAY BE REQUIRED BY OTHER DISCIPLINES AND SHALL BE CONSTRUCTED USING THE TYPICAL DETAILS AND/OR THE CRITERIA INDICATED ON THE DRAWINGS. OPENINGS REQUIRED BUT NOT SHOWN ON THE STRUCTURAL DRAWINGS MUST BE APPROVED BY THE STRUCTURAL ENGINEER.

GR-18) ELEVATIONS INDICATED ON STRUCTURAL DRAWINGS ARE BASED ON A PROJECT DATUM INDICATED ON THE ARCHITECTURAL DRAWINGS.

CD CODES AND DESIGN CRITERIA

CD-1) PERFORM ALL CONSTRUCTION IN CONFORMANCE WITH THE BUILDING AND DESIGN CODES REFERENCED WITHIN THESE DOCUMENTS. THE PROJECT DOCUMENTS REFER TO THE FOLLOWING CODES AND STANDARDS, UON:

2016 CALIFORNIA BUILDING CODE (CBC) WITH DSA/SS AMENDMENTS

CD-2) RISK CATEGORY: III

CD-3) LIVE LOADS:

TYPICAL AT GROUND FLOOR	100 LBS./SQ. FT.
STAIRWAY & TIERED SEATING	100 LBS./SQ. FT.
MECHANICAL ROOF AREAS	ACTUAL WEIGHT
TYPICAL ROOF	20 LBS./SQ. FT.
TYPICAL AT UPPER LEVELS	80 LB/SQ FT

CD-4) WIND LOAD DESIGN DATA:

MAIN WIND FORCE RESISTING SYSTEM	
BASIC WIND SPEED, V	115 MPH
EXPOSURE	C
RISK/OCCUPANCY CATEGORY	III

COMPONENT AND CLADDING DESIGN PRESSURES a=**[XX'-XX"]**
EFFECTIVE WIND AREA= **[XX]** PSF
WALL= **[XX]** PSF
WALL END ZONE= **[XX]** PSF
PARAPET WALL = **[XX]** PSF
PARAPET WALL END ZONE= **[XX]** PSF

ROOF EFFECTIVE WIND AREA = **[XX]** SF
ROOF= **[XX]** PSF
ROOF EDGE = **[XX]** PSF
ROOF CORNER= **[XX]** PSF
OVERHANG EDGE= **[XX]** PSF
OVERHANG CORNER= **[XX]** PSF

ETFE SKYLIGHT EFFECTIVE WIND AREA = **[XX]** SF
SKYLIGHT TYP/INTERIOR = **[XX]** PSF
SKYLIGHT EDGE = **[XX]** PSF
SKYLIGHT CORNER = **[XX]** PSF

CD-5) SEISMIC LOAD DESIGN DATA:

SEISMIC IMPORTANCE FACTOR (Ie)	1.25
Ss	1.974g
S1	0.631g
SDS	1.316g
SD1	0.631g
SITE CLASS	D
SEISMIC DESIGN CATEGORY	D
LATERAL SYSTEM DESCRIPTION	BRBF
SEISMIC RESPONSE COEFFICIENT (Cs)	SECTOR 1 0.141 SECTOR 2 0.197 SECTOR 3 0.183 SECTOR 4 0.205
RESPONSE MODIFICATION FACTOR (R)	8
ANALYSIS PROCEDURE DESCRIPTION	EQUIVALENT LATERAL FORCE
COMPONENT IMPORTANCE FACTOR (Ip)	1.0

CD-6) IN CASES WHERE THE CONTRACTOR DETERMINES THAT SUSPENDED OR FLOOR MOUNTED MEP EQUIPMENT LOADS EXIST WHICH EXCEED DESIGN LOADS INDICATED ON CONTRACT DOCUMENTS, CONTRACTOR SHALL SUBMIT LOAD DATA TO DESIGN PROFESSIONALS FOR REVIEW PRIOR TO PROCEEDING WITH WORK.

CD-7) DISTRIBUTE THE MAXIMUM LOAD HUNG FROM ANY STRUCTURAL MEMBER FOR MEP DUCTWORK, PIPING ETC OVER THE MEMBER'S TRIBUTARY AREA IN A WAY THAT THE DESIGN SUPERIMPOSED DEAD LOADS LISTED IN CONTRACT DOCUMENTS ARE NOT EXCEEDED. THE CONTRACTOR SHALL COORDINATE THE LOADS OF ALL TRADES AND PROVIDE ADDITIONAL SUPPORT OR DISTRIBUTION FRAMING AS REQUIRED TO ACHIEVE THE ALLOWABLE LOAD DISTRIBUTION.

CD-8) ELEVATOR GUIDERAIL SUPPORTS, MACHINE ROOMS, PITS, AND PENTHOUSES ARE BASED ON ELEVATOR TYPES INDICATED ON ARCHITECTURAL CONTRACT DOCUMENTS. CONTRACTOR SHALL SUBMIT FOR REVIEW ANY PLANNED CHANGE TO ELEVATORS TO DESIGN PROFESSIONALS PRIOR TO SUBMITTING CORRESPONDING STRUCTURAL SHOP DRAWINGS FOR ACTION.

CD-9) STRUCTURAL COMPONENTS ARE NOT DESIGNED FOR VIBRATING EQUIPMENT. MOUNT VIBRATING EQUIPMENT ON VIBRATION ISOLATORS.

CD-10) FOR FIRE RATING AND FIREPROOFING ASSEMBLY EVALUATIONS, CONSIDER THE FOLLOWING ASSEMBLIES RESTRAINED: COMPOSITE WIDE-FLANGE STEEL FRAMING, INTERIOR BAYS OF CONTINUOUS CAST-IN-PLACE CONCRETE CONSTRUCTION. CONSIDER ALL OTHER ASSEMBLIES UNRESTRAINED.

FN FOUNDATIONS

FN-1) THE FOUNDATION DESIGN IS BASED ON THE GEOTECHNICAL INVESTIGATION REPORT BY NINYO AND MOORE, DATED OCTOBER 10, 2019. PROJECT NUMBER 401294033.

FN-2) FOUNDATIONS HAVE BEEN DESIGNED BASED ON THE FOLLOWING DESIGN VALUES FROM THE GEOTECHNICAL INVESTIGATION REPORT:

ALLOWABLE BEARING CAPACITY: 2000PSF FOR DEAD PLUS LIVE LOADS

DESIGN VALUES SHALL BE FIELD VERIFIED BY QUALIFIED GEOTECHNICAL CONSULTANT RETAINED BY THE OWNER .

FN-3) THE CONTRACTOR SHALL VERIFY FOUNDATION INSTALLATION AND CONSTRUCTION IS IN CONFORMANCE WITH THE RECOMMENDATIONS OUTLINED IN THE GEOTECHNICAL REPORT.

FN-4) CONTRACTOR SHALL BE RESPONSIBLE TO ADEQUATELY PROTECT ALL EXCAVATION. WHERE NECESSARY, SHEET AND SHORE THE EXCAVATION WITH ALL REQUIRED TIEBACKS AND BRACING AS DETERMINED BY CONTRACTOR'S STRUCTURAL ENGINEER.

FN-5) DISTANCE TO NEARBY FAULTS [FROM GEOTECHNICAL REPORT]:

Fault (Segment)	ID	Type	Max Moment Magnitude	Distance to Site (kilometers)
Greenville (North) 2011 CFM	131	Strike Slip	6.9	7.4
Mount Diablo Thrust	129	Reverse	6.6	8.5
Pleasanton fault	135	Strike Slip	6.6	8.7
Calaveras (North) 2011 CFM	130	Strike Slip	6.9	11.5
Las Positas	141	Strike Slip	6.4	8.2
Clayton	125	Strike Slip	6.9	17.1
Hayward (South)	137	Strike Slip	7.3	22.2
Great Valley 06 (Midland) alt2	116	Reverse	6.8	18.3
Greenville (South) 2011 CFM	144	Strike Slip	6.9	18.5
Great Valley 07 (Orestimba)	138	Reverse	6.7	20.4

CM CONCRETE MATERIALS

CM-1) CONCRETE STRENGTHS AND WEIGHT (SEE SPECIFICATION SECTION 03 30 00 FOR ADDITIONAL CONCRETE PROPERTIES):

LOCATION	MIN COMPRESSIVE STRENGTH (PSI)	MAX WEIGHT (PCF)	MIN/MAX % CLASS F FLY ASH	MIN/MAX % SLAG	MAX TOTAL % FLY ASH AND SLAG
DRILLED PIERS	4000 @ 56 DAYS	145	20-50	0-60	60
FOOTINGS / GRADE BEAMS	4000 @ 56 DAYS	145	20-50	0-60	60
SLAB ON GRADE	4000 @ 28 DAYS	145	15-25	0-30	40
WALLS / COLUMNS	4000 @ 28 DAYS	145	15-30	0-50	50
FILL ON METAL DECK	4000 @ 28 DAYS	110	10-20	0-30	40
PRECAST PILES	5000 @ 28 DAYS	145	15-25	0-30	40
SHOTCRETE	5000 @ 28 DAYS	145	15-25	0-30	40

CM-2) ALL CONCRETE SHALL BE THOROUGHLY CONSOLIDATED.

CM-3) THE USE OF CALCIUM CHLORIDE AND OTHER CHLORIDE CONTAINING AGENTS IS PROHIBITED. THE USE OF RECYCLED CONCRETE IS PROHIBITED. PLACEMENT WITHIN AND CONTACT BETWEEN ALUMINUM ITEMS, INCLUDING ALUMINUM CONDUIT, AND CONCRETE IS PROHIBITED.

CM-4) ALL CAST-IN-PLACE CONCRETE WILL EXPERIENCE DIFFERING VARIATIONS OF CRACKING. ANY ELEMENT EXPOSED TO DIRECT WEATHER AND/OR TEMPERATURE VARIATIONS DURING CONSTRUCTION OR IN THE FINAL CONDITION IS TO BE TREATED AND REGULARLY MAINTAINED TO PREVENT PROPAGATION OF CRACKS AND WATER PENETRATION. THE CONTRACTOR SHALL DEVELOP A REGULAR MAINTENANCE PROGRAM AND SUBMIT IT TO THE OWNER.

RE CONCRETE REINFORCEMENT

RE-1) ALL CONCRETE SHALL INCLUDE REINFORCEMENT WITH THE EXCEPTION OF STAIR TREADS AND LANDINGS. IF REINFORCEMENT IS NOT SPECIFICALLY INDICATED ON THE DRAWINGS, VERIFY WITH THE STRUCTURAL ENGINEER BEFORE PROCEEDING WITH WORK.

RE-2) REINFORCEMENT SHALL CONFORM TO THE FOLLOWING STANDARDS AND MATERIAL PROPERTIES:

DEFORMED BARS:	ASTM A615, GRADE 60, UON
WELDABLE DEFORMED BARS:	ASTM A706, GRADE 60, UON
WELDED BAR ANCHORS:	NELSON D2L DEFORMED BAR ANCHORS (ICC-ES REPORT ER-5217)

RE-3) DETAIL REINFORCEMENT BASED ON THE PROJECT REQUIREMENTS, ACI-318 AND ACI-315, UON.

RE-4) WHERE A 90-DEG, 135 -DEG OR 180-DEG HOOK IS GRAPHICALLY INDICATED, PROVIDE CORRESPONDING ACI STANDARD HOOKS PER 2/S4.00, UON.

RE-5) DOWELS SHALL MATCH SIZE AND SPACING OF MAIN REINFORCEMENT, UON.

RE-6) REINFORCEMENT SHALL HAVE CONCRETE PROTECTION (CLEAR COVER) PER ACI 318 UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

LOCATION	COVER
CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER:	
NO 5 BARS OR SMALLER	1 1/2"
NO 6 BARS AND LARGER	2"
CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:	
SLABS, WALLS, JOISTS:	
NO 11 BARS OR SMALLER	3/4"
NO 14 BARS AND LARGER	1 1/2"
BEAMS, COLUMNS: PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS	1 1/2"

RE-7) LAP REINFORCEMENT AS SPECIFICALLY DETAILED ON THE DRAWINGS. SEE REBAR OFFSET AND LAP SPLICE SCHEDULE, 1/S4.00.

RE-8) UNLESS OTHERWISE NOTED ALL LAP SPLICES ARE TO BE CLASS "B" SPLICES PER REBAR OFFSET AND LAP SPLICE SCHEDULE, 1/S4.00.

RE-9) PROVIDE MECHANICAL SPLICES FOR BARS LARGER THAN #11 OR WHERE INDICATED. PROVIDE MECHANICAL SPLICES PER SPEC 03 20 00 UON.

RE-10) PROVIDE LAP LOCATIONS AS FOLLOWS, UON: AT/NEAR MIDSPAN BETWEEN COLUMNS FOR TOP BARS AND AT/NEAR COLUMN LOCATIONS FOR BOTTOM BARS. SEE ALSO 1/4.03.

A. CONTINUOUS FOOTING LAP SPLICES.
B. PILASTER LAP SPLICES PER 7/S4.00.
C. UNLESS OTHERWISE NOTED TERMINATE BARS AT DISCONTINUOUS ENDS WITH STANDARD HOOKS

RE-13) TERMINATION OF REINFORCEMENT, UON:

A. TERMINATE ALL BARS IN LAPS, 90 DEGREE BENDS, OR WITH DOWELS INTO EXISTING CONCRETE.

B. BEND TOP MAT OR FOOTING BARS DOWN TO BOTTOM BARS AT ENDS.

C. BEND BOTTOM MAT OR FOOTING BARS UP WITH STANDARD 90 DEGREE BENDS.

D. PROVIDE DOWELS FROM FOOTINGS AND SLABS INTO WALLS AND COLUMNS TO MATCH SIZE AND SPACING OF VERTICAL REINFORCEMENT.

CJ CONCRETE CONSTRUCTION JOINTS

CJ-1) PROVIDE CONSTRUCTION JOINTS IN ACCORDANCE WITH ACI-318. SUBMIT SHOP DRAWINGS SHOWING PROPOSED CONSTRUCTION JOINT LOCATIONS, DETAILS AND THE PLACEMENT SEQUENCE FOR THE STRUCTURAL ENGINEER'S APPROVAL PRIOR TO PROCEEDING WITH WORK.

CJ-2) NO HORIZONTAL CONSTRUCTION JOINTS WILL BE PERMITTED IN WALLS AND SLABS UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS OR APPROVED IN WRITING BY THE DESIGN PROFESSIONALS PRIOR TO CONSTRUCTION. SEE 2/S4.02 FOR FURTHER INFO.

SS STRUCTURAL STEEL

SS-1) STEEL MATERIALS:

SHAPE	MATERIAL
WIDE FLANGES & WT'S	ASTM A992, GRADE 50
MISCELLANEOUS PLATES	ASTM A36
CONTINUITY PLATES	ASTM A572, GRADE 50
ANGLES & CHANNELS	ASTM A36
RECTANGULAR HSS (TUBES)	ASTM A500, GRADE B
ROUND HSS	ASTM A500, GRADE B
BOLTS	ASTM A325 N, UON
ANCHOR RODS	ASTM F1554, Fy=36ksi, UON
THREADED RODS	ASTM A36
STEEL JOIST	PER STEEL JOIST INSTITUTE'S SPECIFICATIONS
WELDING ELECTRODES	E70, SEE SPECIFICATIONS FOR CVN REQUIREMENTS
WELDED STUDS	ASTM A108 HEADED STUDS: TYPE H4L OR S3L BY NELSON OR EQUAL.

SS-2) STRUCTURAL STEEL MEMBERS AND CONNECTIONS DENOTED "SLRS" SHALL SATISFY REQUIREMENTS FOR THE SEISMIC LOAD RESISTING SYSTEM IN SPECIFICATION SECTION 05 12 10.

SS-3) WHERE NO CAMBER IS INDICATED, FABRICATE BEAMS SO THAT ANY NATURAL CAMBER IS UPWARD AFTER ERECTION.

SS-4) SPLICES SHALL BE ALLOWED ONLY AT LOCATIONS SPECIFICALLY INDICATED ON THE STRUCTURAL DRAWINGS UNLESS APPROVED OTHERWISE BY THE SER IN WRITING.

SS-5) FOR STEEL MEMBERS AND EMBEDMENTS EXPOSED TO WEATHER, PROVIDE HOT-DIPPED GALVANIZED FINISH.

SS-6) PROVIDE HOLES IN ALL STEEL AS REQUIRED TO PREVENT ANY ACCUMULATION OF WATER. ALL PENETRATIONS THROUGH MAIN MEMBERS SHALL NOT EXCEED 1 1/8"Ø AND SHALL BE GROUND SMOOTH. THESE DRAINS MUST BE KEPT CLEAN AND OPEN.

SS-7) SHOW ALL COPES, HOLES, OPENINGS AND MODIFICATIONS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR ERECTION OR THE WORK OF OTHER TRADES ON THE SHOP DRAWINGS FOR APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER.

SS-8) SHOW ALL COPES, HOLES, OPENINGS AND MODIFICATIONS REQUIRED IN STRUCTURAL STEEL MEMBERS FOR ERECTION OR THE WORK OF OTHER TRADES ON THE SHOP DRAWINGS FOR APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. ALL MODIFICATIONS REQUIRE DSA REVIEW AND APPROVAL PRIOR TO FABRICATION AND CONSTRUCTION.

SS-9) FIELD MODIFICATION OF STRUCTURAL STEEL IS PROHIBITED WITHOUT PRIOR APPROVAL OF THE ARCHITECT, STRUCTURAL ENGINEER AND DSA.

SS-10) STEEL USING COMPLETE JOINT PENETRATION GROOVE WELDS THAT FUSE THROUGH THE THICKNESS OF THE FLANGE OR WEB SHALL HAVE A MINIMUM CHARPY V-NOTCH IMPACT TESTING VALUE AS FOLLOWS:

A.) ASTM A6/A6M HOT-ROLLED SHAPES WITH A FLANGE THICKNESS EXCEEDING [2] INCHES AND BUILT-UP HEAVY SHAPES WITH PLATES EXCEEDING [2] INCHES IN THICKNESS: 20 FT-LB @ 70 DEG. F

B.) REGARDLESS OF THICKNESS, ALL TRUSSES, LATERAL SYSTEM MEMBERS (INCLUDING COLUMNS, WIND GIRDERS, BRACES, ETC.): 20 FT-LB @ 70 DEG. F

C.) WELD METAL: 20 FT-LB @ MINUS 20 DEG. F AND 40 FT-LB @ 70 DEG. F

D.) TESTING IS TO BE IN ACCORDANCE WITH ASTM A6/A6M, SUPPLEMENTARY REQUIREMENT S30, CHARPY V-NOTCH IMPACT TEST FOR STRUCTURAL SHAPES - ALTERNATE CORE LOCATION, AT ROLLED SHAPES AND ASTM A673 FOR PLATES, AT ANY PERMITTED LOCATIONS.

SS-11) THE FOLLOWING SHALL APPLY FOR AESS. STRUCTURAL STEEL EXPOSED TO THE END USERS IN THE FINAL CONDITION SHALL CONFORM TO THESE REQUIREMENTS AND NOTHING MORE THAN THAT.

A.) ALL WELDS THAT ARE EXPOSED TO VIEW SHALL BE VISUALLY ACCEPTABLE IF THEY MEET THE REQUIREMENTS IN AWS D1.1, EXCEPT ALL GROOVE AND PLUG WELDS THAT ARE EXPOSED TO VIEW SHALL NOT PROJECT MORE THAN 1/16 IN. ABOVE THE EXPOSED SURFACE. FINISHING OR GRINDING OF WELDS SHALL NOT BE NECESSARY, UNLESS SUCH TREATMENT IS REQUIRED TO PROVIDE FOR CLEARANCES OR FIT OF OTHER COMPONENTS OR IS MARKED ON THE DRAWINGS.

B.) SEAMS OF HOLLOW STRUCTURAL SECTIONS SHALL BE ACCEPTABLE AS PRODUCED. SEAMS SHALL BE ORIENTATED AWAY FROM VIEW.

C.) THE FABRICATOR SHALL USE SPECIAL CARE TO AVOID BENDING, TWISTING OR OTHERWISE DISTORTING THE STRUCTURAL STEEL DURING THE DELIVERY AND IN THE SHOP.

D.) THE ERECTOR SHALL USE SPECIAL CARE IN UNLOADING, HANDLING AND ERECTING THE STRUCTURAL STEEL TO AVOID MARKING OR DISTORTING THE SHOP
PAINT. IF TEMPORARY BRACES OR ERECTION CLIPS ARE USED, CARE SHALL BE TAKEN TO AVOID THE CREATION OF UNSIGHTLY SURFACES UPON REMOVAL. TACK WELDS SHALL BE GROUND SMOOTH AND HOLES SHALL BE FILLED WITH WELD METAL OR BODY SOLDER AND SMOOTHED BY GRINDING OR FILLING. THE ERECTOR SHALL PLAN AND EXECUTE ALL OPERATIONS IN SUCH A MANNER THAT THE CLOSE FIT AND NEAR APPEARANCE OF THE STRUCTURE WILL NOT BE IMPAIRED. REMOVE ERECTION AIDS AND FIELD WELDING AIDS.

E.) OTHER ASPECTS OF STRUCTURAL STEEL ARE ACCEPTABLE PER STANDARD PRACTICE. ALL TOLERANCES SHALL BE NORMAL PER AISC. MANUFACTURER'S IDENTIFICATION MARKS DO NOT NEED TO BE FILLED OR GROUND. GAPS, COPES & MITERS SHALL BE MADE WITH TYPICAL GAPS. WELD SHOW-THROUGH IS ACCEPTABLE AS PRODUCED.

F.) ALL COPES, MITERS AND CUTS IN SURFACES THAT ARE EXPOSED TO VIEW SHALL BE MADE WITH UNIFORM GAPS OF 1/8" IF SHOWN AS OPEN JOINTS; OR IN REASONABLE CONTACT IF SHOWN WITHOUT GAP.

SD STEEL DECK GENERAL REQUIREMENTS

SD-1) THE MANUFACTURE AND ERECTION OF STEEL DECK AND ITS ANCHORAGE SHALL, AT A MINIMUM, BE IN ACCORDANCE WITH "DESIGN MANUAL FOR COMPOSITE DECKS, FORM DECKS AND ROOF DECKS" OF THE STEEL DECK INSTITUTE (SDI), CURRENT EDITION AND "SPECIFICATIONS FOR DESIGN OF LIGHT GAGE COLD FORMED STEEL STRUCTURAL MEMBERS" AS PUBLISHED BY THE AMERICAN IRON AND STEEL INSTITUTE (AISI), CURRENT EDITION.

SD-2) FABRICATE STEEL DECK UNITS AND ACCESSORIES FROM STEEL SHEET CONFORMING TO THE FOLLOWING STANDARDS AND MATERIAL PROPERTIES:
ASTM A653 SQ GRADE 50, WITH A MINIMUM YIELD STRENGTH OF 50 KSI.
HOT-DIPPED GALVANIZED PER ASTM A653 G60.

SD-3) CONFIGURE ALL STEEL DECK LAYOUTS USING THREE OR MORE CONTINUOUS SPANS WHEREVER POSSIBLE. SPLICES SHALL BE LOCATED OVER SUPPORTS. ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE, ANSI/AWS D1.1, LATEST EDITION.

SD-4) CONFIGURE ALL STEEL DECK AS SHOWN ON THE DRAWINGS.

SD-5) SEE TYPICAL DECK NOTES ON SHEET S5.10 FOR ADDITIONAL REQUIREMENTS.

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

GENERAL STRUCTURAL NOTES

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S1.01

DESIGN DEVELOPMENT SET

PA POST-INSTALLED ANCHORS

PA-1) POST-INSTALLED ANCHORS INCLUDE EXPANSION ANCHORS, SCREW ANCHORS, EPOXY ANCHORS/DOWELS, AND POWDER-ACTUATED FASTENERS.

PA-2) INSTALL POST-INSTALLED ANCHORS IN ACCORDANCE WITH THE APPLICABLE ICC-ES REPORT AND THE MANUFACTURER'S RECOMMENDATIONS.

PA-3) USE SCANNING EQUIPMENT OR OTHER MEANS TO LOCATE AND AVOID CUTTING OR DAMAGING REINFORCING BARS. SER APPROVAL IS REQUIRED PRIOR TO CUTTING OR DAMAGING REINFORCING.

PA-4) SPECIAL INSPECTION IS REQUIRED FOR ALL POST-INSTALLED ANCHOR INSTALLATIONS, UON.

PA-5) FIELD TESTING OF POST-INSTALLED ANCHORS IS REQUIRED, UON. TEST INSTALLED ANCHORS IN ACCORDANCE WITH THE FOLLOWING:

A. TEST 100% OF ANCHORS AT ALL STRUCTURAL APPLICATIONS, UON.
B. TEST 50% OF ANCHORS AT ALL NON-STRUCTURAL APPLICATIONS (SUCH AS EQUIPMENT ANCHORAGE), UON.
C. TEST 10% OF ANCHORS AT SILL PLATE BOLTING APPLICATIONS, UON.
D. IF ANY ANCHOR FAILS TESTING, TEST ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS.
E. FIELD TESTS SHALL BE EITHER TENSION TESTS OR TORQUE TESTS, AS REQUIRED FOR THE SPECIFIC ANCHOR TYPE.
F. TENSION TESTS: APPLY TEST LOADS TO ANCHORS WITHOUT REMOVING THE NUT IF POSSIBLE. IF NOT, REMOVE NUT AND INSTALL A THREADED COUPLER TO THE SAME TIGHTNESS AS THE ORIGINAL NUT USING A TORQUE WRENCH. REACTION LOADS FROM TEST FIXTURES MAY BE APPLIED CLOSE TO THE ANCHOR BEING TESTED, PROVIDED THE ANCHOR IS NOT RESTRAINED FROM WITHDRAWING BY THE FIXTURES. TO BE ACCEPTABLE, ANCHORS SHALL HAVE NO OBSERVABLE MOVEMENT AT THE APPLICABLE TEST LOAD (OBSERVABLE MOVEMENT IS DEFINED AS THE WASHER UNDER THE NUT BECOMING LOOSE).
G. TORQUE TESTS: TO BE ACCEPTABLE, THE APPLICABLE TEST TORQUE MUST BE REACHED WITHIN ONE-HALF TURN OF THE NUT.
H. TEST EQUIPMENT IS TO BE CALIBRATED BY AN APPROVED TESTING LABORATORY IN ACCORDANCE WITH STANDARD RECOGNIZED PROCEDURES.
I. FIELD TESTING SHALL BE DONE IN THE PRESENCE OF THE PROJECT INSPECTOR.
J. TESTING SHOULD OCCUR A MINIMUM OF 24 HOURS AFTER INSTALLATION OF THE SUBJECT ANCHOR.

PA-6) EXPANSION ANCHORS

A. EXPANSION ANCHORS SHALL BE EITHER ONE OF THE FOLLOWING, UON:

HILTI KWIK BOLT TZ
(ICC-ES REPORT ESR-1917)

SIMPSON STRONG-BOLT 2
(ICC-ES REPORT ESR-3037)

USE OF CARBON STEEL EXPANSION ANCHORS IS LIMITED TO DRY, INTERIOR LOCATIONS. USE STAINLESS STEEL EXPANSION ANCHORS AT EXTERIOR, WEATHER-EXPOSED, OR DAMP LOCATIONS.

B. ANCHOR EMBEDMENT AND FIELD TEST VALUES ARE AS FOLLOWS, UON

CONCRETE SLAB

UNDERSIDE OF CONCRETE FILL OVER STEEL DECK

HILTI KWIK BOLT TZ IN NORMAL-WEIGHT CONCRETE			
ANCHOR DIAMETER	Hnom	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)
3/8"	2 5/16"	2 5/8"	25
1/2"	2 3/8"	2 5/8"	40
*5/8"	4 7/16"	4 3/4"	60
*3/4"	5 9/16"	5 3/4"	110

HILTI KWIK BOLT TZ IN LIGHTWEIGHT CONCRETE			
ANCHOR DIAMETER	Hnom	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)
3/8"	2 5/16"	2 5/8"	25
*1/2"	2 3/8"	2 5/8"	40
*5/8"	3 9/16"	3 7/8"	60

SIMPSON STRONG-BOLT 2 IN NORMAL-WEIGHT CONCRETE			
ANCHOR DIAMETER	Hnom	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)
3/8"	1 7/8"	2"	30
1/2"	2 3/4"	3"	60
*5/8"	5 1/8"	5 3/8"	90
*3/4"	5 3/4"	6"	150

SIMPSON STRONG-BOLT 2 IN LIGHTWEIGHT CONCRETE			
ANCHOR DIAMETER	Hnom	MINIMUM HOLE DEPTH	TORQUE TEST VALUE (FT-LBS)
3/8"	1 7/8"	2"	30
1/2"	2 3/4"	3"	60
*5/8"	3 3/8"	3 5/8"	90
*3/4"	4 1/8"	4 3/8"	150

* SEE NOTE E.

C. Hnom IS MEASURED FROM FACE OF CONCRETE SUBSTRATE TO THE END OF THE BOLT.
D. CONTRACTOR SHALL PROVIDE ANCHORS WITH SUFFICIENT TOTAL LENGTH FOR THE SPECIFIED EMBEDMENT LENGTH, THICKNESS OF FASTENED PART, WASHER AND NUT.

E. ANCHORS 5/8" & 3/4" DIA BOLTS ARE NOT ALLOWED AT TOPSIDE OF CONCRETE FILLED DECK

PA-7) SCREW ANCHORS

A. SCREW ANCHORS SHALL BE EITHER ONE OF THE FOLLOWING, UON:

SIMPSON TITEN HD
(ICC-ES REPORT ESR-2713)

HILTI KWIK HUS-EZ
(ICC-ES REPORT ESR-3027)

B. ANCHOR EMBEDMENTS AND TENSION TEST VALUES BELOW ARE TO BE USED WHEN EXPLICITLY SPECIFIED IN THE STRUCTURAL DRAWINGS. FOR LOCATIONS WHERE TENSION TEST VALUES ARE NOT SPECIFIED IN THE DRAWINGS, CONSULT WITH THE SER.

SIMPSON TITEN HD IN NORMAL WEIGHT CONCRETE (3000 PSI MIN)				
ANCHOR DIAMETER	Hnom	MINIMUM HOLE DEPTH	TENSION TEST VALUE (LBS)	
3/8"	2 1/2"	3"	1200	
*1/2"	3 1/4"	3 3/4"	2973	* SEE NOTES C
*5/8"	4 1/2"	4 1/2"	3460	* SEE NOTES C&D
*3/4"	5 1/2"	6"	5410	* SEE NOTES C&D

C. TITEN HD ANCHORS 1/2" THRU 3/4" DIA ARE NOT ALLOWED AT THE TOPSIDE OF CONCRETE FILLED DECK.
D. TITEN HD ANCHORS 5/8" & 3/4" DIA ARE NOT ALLOWED AT THE UNDERSIDE OF CONCRETE FILLED DECK.

HILTI KWIK HUS-EZ IN NORMAL WEIGHT CONCRETE (3000 PSI MIN)				
ANCHOR DIAMETER	Hnom	MINIMUM HOLE DEPTH	TENSION TEST VALUE (LBS)	
1/4"	2 1/2"	2 7/8"	1040	
3/8"	2 1/2"	2 3/4"	1920	* SEE NOTES E
*1/2"	3 1/4"	3 3/8"	2405	* SEE NOTES E&F
*5/8"	4 1/2"	3 5/8"	2800	* SEE NOTES E&F
*3/4"	5 1/2"	4 3/8"	3780	

E. KWIK HUS-EZ ANCHORS 5/8" DIA AND LARGER NOT ALLOWED IN UPPER FLUTE FOR INSTALLATION FROM THE UNDERSIDE OF CONCRETE FILLED METAL DECK.

F. KWIK HUS-EZ ANCHORS 5/8" DIA AND LARGER NOT ALLOWED FOR TOPSIDE INSTALLATION AT CONCRETE FILLED METAL DECK.

PA-8) EPOXY ANCHORS AND DOWELS

A. EPOXY SHALL BE EITHER ONE OF THE FOLLOWING, UON:

HILTI HIT-HY 200 (ICC-ES REPORT ESR-3187)

HILTI HIT-RE 500-SD (ICC-ES REPORT ESR-2322)

SIMPSON SET-XP (ICC-ES REPORT ESR-2508)

B. RODS EMBEDDED IN EPOXY SHALL BE CARBON STEEL THREADED RODS PER THE EPOXY MANUFACTURER'S ICC-ES REPORT. FOR HILTI HIT-HY 200 EPOXY, HILTI HIT-Z ANCHOR RODS MAY BE SUBSTITUTED FOR THREADED RODS AT CONTRACTOR'S OPTION.

C. REINFORCING STEEL BARS EMBEDDED IN EPOXY SHALL BE ASTM A615, GRADE 60, UON.

D. ANCHOR EMBEDMENT AND TENSION TEST VALUES BELOW ARE TO BE USED WHEN EXPLICITLY SPECIFIED IN THE STRUCTURAL DRAWINGS. FOR LOCATIONS WHERE TENSION TEST VALUES ARE NOT SPECIFIED IN THE DRAWINGS, CONSULT WITH THE SER.

EPOXY ANCHORS IN NORMAL-WEIGHT CONCRETE (3000 PSI MIN)				
		TENSION TEST VALUE (LBS)		
REBAR SIZE	EMBEDMENT (IN)	HILTI HIT-HY 200	HILTI HIT-RE 500-V3	SIMPSON SET-XP
#3	3	2900	940	1040
#4	4	5180	1670	3740
#5	5	8130	2600	5260
#6	6	11120	3750	6740
#7	7	12260	4320	8020
* LISTED EPOXY ADHESIVE MAY NOT BE USED WITH NOTED REBAR SIZES				

EPOXY ANCHORS IN NORMAL-WEIGHT CONCRETE (3000 PSI MIN)				
		TENSION TEST VALUE (LBS)		
THREADED ROD DIAMETER (IN)	EMBEDMENT (IN)	HILTI HIT-HY 200	HILTI HIT-RE 500-V3	SIMPSON SET-XP
3/8	3	2500	1230	1700
1/2	4	4480	2110	2600
5/8	5	7030	3170	3450
3/4	6	10180	4450	4440
7/8	7	11710	4720	5540

E. TESTING OF EPOXY DOWELS AT JOINTS BETWEEN NEW AND EXISTING SLABS-ON-GRADE IS NOT REQUIRED.
F. TESTING OF #3 EPOXY DOWELS AT CURBS AND HOUSEKEEPING PADS IS NOT REQUIRED.
G. TESTING SHALL OCCUR AFTER EPOXY HAS CURED, AS PER MANUFACTURER'S RECOMMENDATIONS.
H. OVERHEAD AND/OR CONSTANT TENSION EPOXY ANCHOR INSTALLATIONS NOT SHOWN ON THE DRAWINGS SHALL NOT BE PERMITTED UNLESS EACH CONDITION IS REVIEWED AND APPROVED IN WRITTING BY SER.
I. EPOXY ANCHORS SHALL BE INSTALLED IN CONCRETE HAVING A MINIMUM AGE OF 21 DAYS AT TIME OF ANCHOR INSTALLATION.
J. INSTALLATION AND INSPECTION OF EPOXY ANCHORS SHALL COMPLY WITH ACI 318-11 APPENDIX D SECTIONS D.9.2.2 AND D.9.2.4.
K. FOR USES OF EPOXY DOWELS NOT EXPLICITLY SPECIFIED IN THE STRUCTURAL DRAWINGS, CONTACT THE SER.

PA-9) POWDER-ACTUATED FASTENERS (PAF):

A. POWDER-ACTUATED FASTENERS SHALL BE EITHER ONE OF THE FOLLOWING, UON:
HILTI X-U (ICC-ES REPORT ESR-2269) AT METAL.
SIMPSON POWER-DRIVEN FASTENERS (ICC-ES REPORT ESR-2138)
THE LISTED MODELS ARE USED FOR BOTH CONCRETE AND STEEL:
PDP-XX
PHN-YY
PDPA-XX
B. PROVIDE 0.08" THICK x 1.1" SQUARE OR 1.425" ROUND WASHERS FOR ALL POWDER-ACTUATED FASTENERS.
C. THE MINIMUM EMBEDMENT OF POWDER-ACTUATED FASTENERS INTO CONCRETE SHALL BE 1", UON.
D. THE EMBEDMENT OF POWDER-ACTUATED FASTENERS INTO STEEL SHALL BE THAT REQUIRED BY THE PAF MANUFACTURER, UON.
E. TESTING OF POWDER-ACTUATED FASTENERS IS NOT REQUIRED.

SC STRUCTURAL STEEL CONNECTIONS

SC-1) ALL WELDING SHALL CONFORM TO THE REQUIREMENTS OF THE STRUCTURAL WELDING CODE, ANSI/AWS D1.1, LATEST EDITION. ALL WELD SIZES SHALL BE THE LARGER OF THE SIZE REQUIRED BY CONNECTION FORCES, THE MINIMUM SIZE PER ANSI/AWS D1.1, OR 3/16 INCH MINIMUM FILLET WELD UON. ANY WELD SIZES SHOWN ON THE DESIGN DRAWINGS ARE CONSIDERED EFFECTIVE WELD SIZES AND SHALL BE INCREASED IN ACCORDANCE WITH AWS AS REQUIRED BY GAPS OR SKEWS BETWEEN COMPONENTS. SEE AWS D1.8 FOR DEMAND CRITICAL WELDS.

SC-2) WELDING EXPOSED TO LOW (OUTDOOR) TEMPERATURES IN SERVICE SHALL CONFORM TO AWS D1.5.

SU SUBMITTALS

SU-1) TWENTY WORKING DAYS PRIOR TO SUBMITTING SHOP DRAWINGS, THE CONTRACTOR SHALL SUBMIT FOR STRUCTURAL ENGINEER' S REVIEW A SCHEDULE WHICH DETAILS THE ESTIMATED QUANTITY OF SHOP DRAWINGS AND THE DATE THE SHOP DRAWINGS WILL BE RECEIVED BY THE STRUCTURAL ENGINEER. THE STRUCTURAL ENGINEER SHALL HAVE THE OPPORTUNITY TO REVIEW THE PROPOSED SCHEDULE AND SUBMIT COMMENTS TO THE CONTRACTOR. THE FINAL SHOP DRAWING SCHEDULE SHALL BE DEVELOPED AND SUBMITTED TO THE STRUCTURAL ENGINEER. IN ACCORDANCE WITH THE SHOP DRAWING SCHEDULE, THE STRUCTURAL ENGINEER WILL RETURN THE SHOP DRAWING ITEMS WITHIN TEN WORKING DAYS AFTER HAVING RECEIVED THE REPRODUCIBLE SHOP DRAWING.

SU-2) THE CONTRACTOR IS TO REVIEW EACH SUBMITTAL PRIOR TO FORWARDING TO ARCHITECT AND STRUCTURAL ENGINEER. THE CONTRACTOR IS TO STAMP EACH SUBMITTAL VERIFYING THAT THE FOLLOWING IS ADDRESSED:

1. THE SHOP DRAWING IS REQUESTED.
2. THE SHOP DRAWING IS BASED ON THE LATEST DESIGN.
3. THE ARCHITECT' S AND STRUCTURAL ENGINEER' S COMMENTS FROM ANY PREVIOUS SUBMITTALS ARE ADDRESSED.
4. THE WORK IS COORDINATED AMONG ALL CONSTRUCTION TRADES.
5. REVISIONS FROM PREVIOUS SUBMITTALS ARE CLEARLY MARKED BY CIRCLING OR CLOUDS.
6. SUBMITTAL IS COMPLETE.
7. SUBMITTAL DOES NOT INCLUDE SUBSTITUTION REQUEST
8. SUBMITTAL SHALL INCLUDE A STAMP INDICATING PROJECT NAME WITH DSA APPLICATION NUMBER AND LOCATION, SUBMITTAL NUMBER, SPECIFICATION SECTION NUMBER.

THE STRUCTURAL ENGINEER SHALL RETURN, WITHOUT COMMENT, SUBMITTALS WHICH THE CONTRACTOR HAS NOT STAMPED OR WHICH DO NOT MEET THE ABOVE REQUIREMENTS. THE STRUCTURAL ENGINEER' S REVIEW OF SUBMITTALS SHALL BE FOR GENERAL CONFORMANCE WITH THE DESIGN INTENT. NO WORK SHALL BE STARTED WITHOUT SUCH REVIEW.

SU-3) FOR COMPONENTS THAT REQUIRE ENGINEERING BY THE CONTRACTOR, PROVIDE A NOTE ON EACH SHOP DRAWING, WRITTEN AND SIGNED BY THE SUPPLIER' S ENGINEER, INDICATING THAT THE SHOP DRAWING IS IN CONFORMANCE WITH THE CALCULATIONS OF THE CONTRACTOR' S ENGINEER.

SU-4) THE FOLLOWING ITEMS REQUIRE SUBMITTALS FOR STRUCTURAL REVIEW AS OUTLINED IN THE SPECIFICATIONS:

03 10 00 S	CALC	CONCRETE FORMWORK
03 20 00 S		CONCRETE REINFORCING LAYOUT
03 30 00 S		CONCRETE MIX DESIGNS
03 30 00 S		CONCRETE CONSTRUCTION JOINT LAYOUT
05 12 00 S		STRUCTURAL STEEL
05 12 00 S		SHEAR STUD LAYOUT
05 31 00 S		STEEL DECK

S = SHOP DRAWINGS AND/OR PRODUCT DATA REQUIRED

CALC = SUPPORTING CALCULATIONS REQUIRED, SIGNED AND SEALED BY A LICENSED [PROFESSIONAL, STRUCTURAL] ENGINEER IN THE STATE IN WHICH THE PROJECT IS LOCATED.

THE ITEMS IN THIS SECTION REQUIRE SHOP DRAWINGS, SUBMITTED FOR REVIEW OF INTERACTION WITH THE BASE BUILDING STRUCTURE.

SU-5) THE FOLLOWING SHOP DRAWINGS SHALL SHOW THE MAGNITUDES, DIRECTIONS, LOCATIONS AND CONNECTION CONDITIONS OF ALL LOADS IMPOSED ON THE ARCHITECTURAL ORNAMENTATION (FLAGPOLES, BANNERS,MASTS, ETC.)
ELEVATOR REACTIONS
SKYLIGHTS

IN ADDITION TO THE SHOP DRAWING REQUIREMENTS ABOVE, THE FOLLOWING SUBMITTALS SHALL ALSO LIST THE DESIGN LOADS USED AND BE SIGNED AND SEALED BY A LICENSED CIVIL OR STRUCTURAL ENGINEER IN CALIFORNIA:

EXTERIOR CLADDING SYSTEMS
METAL STAIRS

SU-6) DEFERRED SUBMITTALS SHALL FIRST BE SUBMITTED TO THE PROJECT ARCHITECT AND/OR THE ENGINEER OF RECORD FOR REVIEW AND COORDINATION. FOLLOWING THE COMPLETION OF THE ARCHITECT'S OR ENGINEER'S REVIEW, A SUBMITTAL TO THE PLAN CHECK AUTHORITY SHALL BE MADE FOR REVIEW AND APPROVAL. THIS SUBMITTAL SHALL BE PROCESSED IN ACCORDANCE WITH CBC APPENDIX CHAPTER 1, SECTION 106.3.4.2. FOR A LIST OF DEFERRED ITEMS, SEE ARCHITECTURAL DRAWINGS.

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

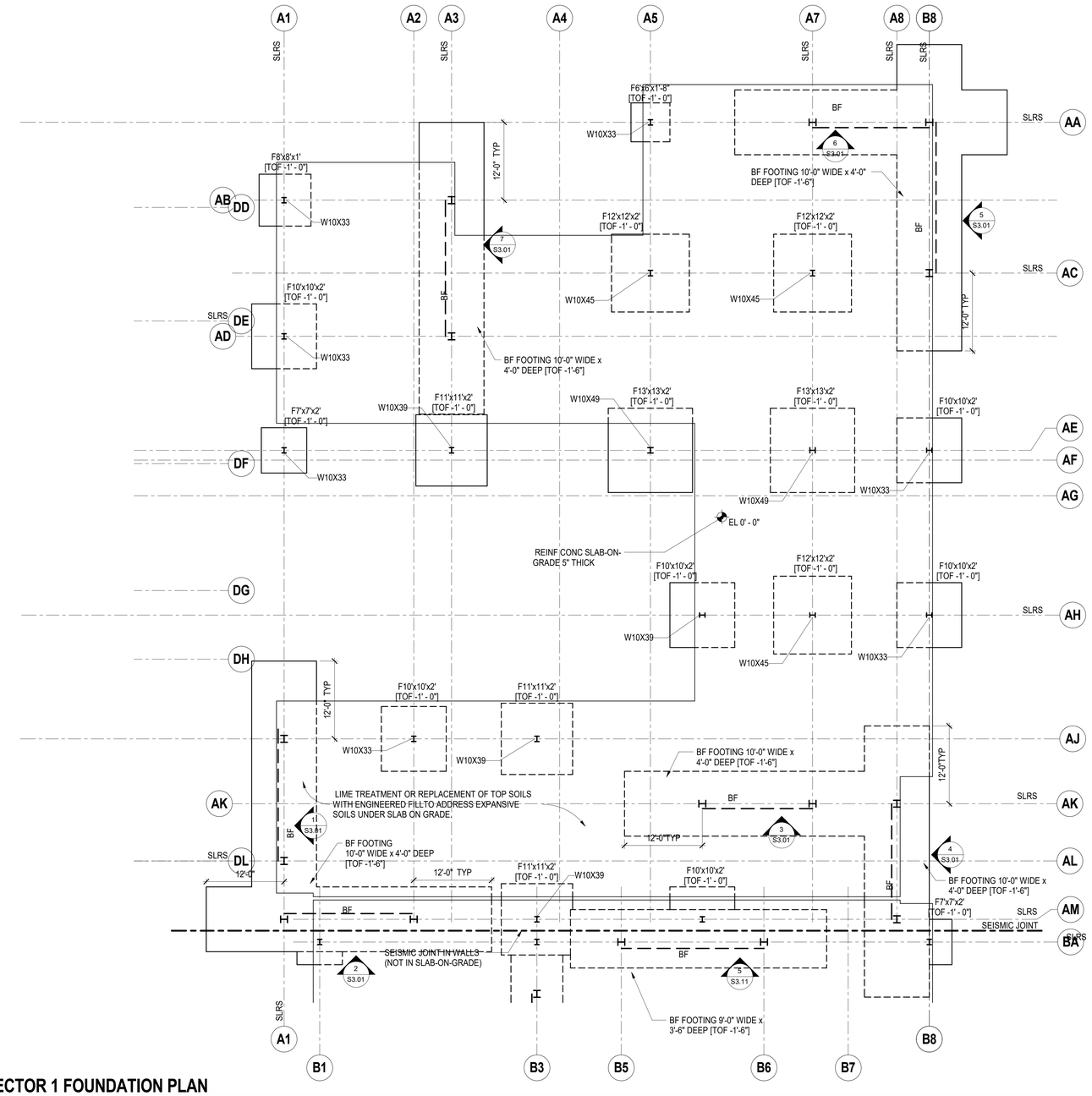
Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 **F** 415.365.6901

GENERAL STRUCTURAL NOTES

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S1.02



1 SECTOR 1 FOUNDATION PLAN

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

FOUNDATION PLAN NOTES:

1. SEE GEOTECHNICAL REPORT LISTED IN FOUNDATIONS GENERAL NOTES ON SHEET S1.01 FOR FURTHER RECOMMENDATIONS.
2. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
3. SEE TYPICAL FOUNDATION DETAILS ON SHEETS S4.00-S4.03.
4. FOUNDATION PLAN IS TAKEN ABOVE SLAB-ON-GRADE. TYPICAL TOP OF SLAB ELEVATION IS CALLED OUT IN PLAN. RELATIVE SLAB ELEVATIONS WITH RESPECT TO SLAB REFERENCE ELEVATION ARE SHOWN THUS: [-0"-2"].
5. TYPICAL TOP OF FOOTING ELEVATION -1'-0" U.O.N.
6. EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
7. ALL FOUNDATION EXCAVATIONS MUST BE REVIEWED AND APPROVED BY THE SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
8. VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATIONS NOTIFY ARCHITECT AND SER PRIOR TO EXCAVATION IN THE EVENT SUCH UTILITIES ARE ENCOUNTERED.
9. CONTRACTOR SHALL COORDINATE ALL UTILITY PENETRATIONS THROUGH FOOTINGS, CONCRETE WALLS, AND SLABS WITH DETAILS ON SHEET S4.01 AND S4.02. PENETRATIONS ARE NOT ALLOWED AT BRACED FRAMES FOOTING.
10. FOR DRAINAGE DETAILS, SUMPS, PITS, DAMP PROOFING, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.
11. SLAB CONSTRUCTION AND CONTROL JOINT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT AND SER PRIOR TO PLACING ANY CONCRETE.
12. CURBS AND DEPRESSIONS ARE SHOWN FOR REFERENCE ONLY. SEE ARCH DWGS FOR LOCATIONS, HEIGHT, AND THICKNESS.
13. SEE SHEET S5.00 AND S4.03 FOR STEEL BASE PLATE SCHEDULE.
14. SEE ARCH DWGS FOR EDGE OF SLAB LOCATIONS.

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

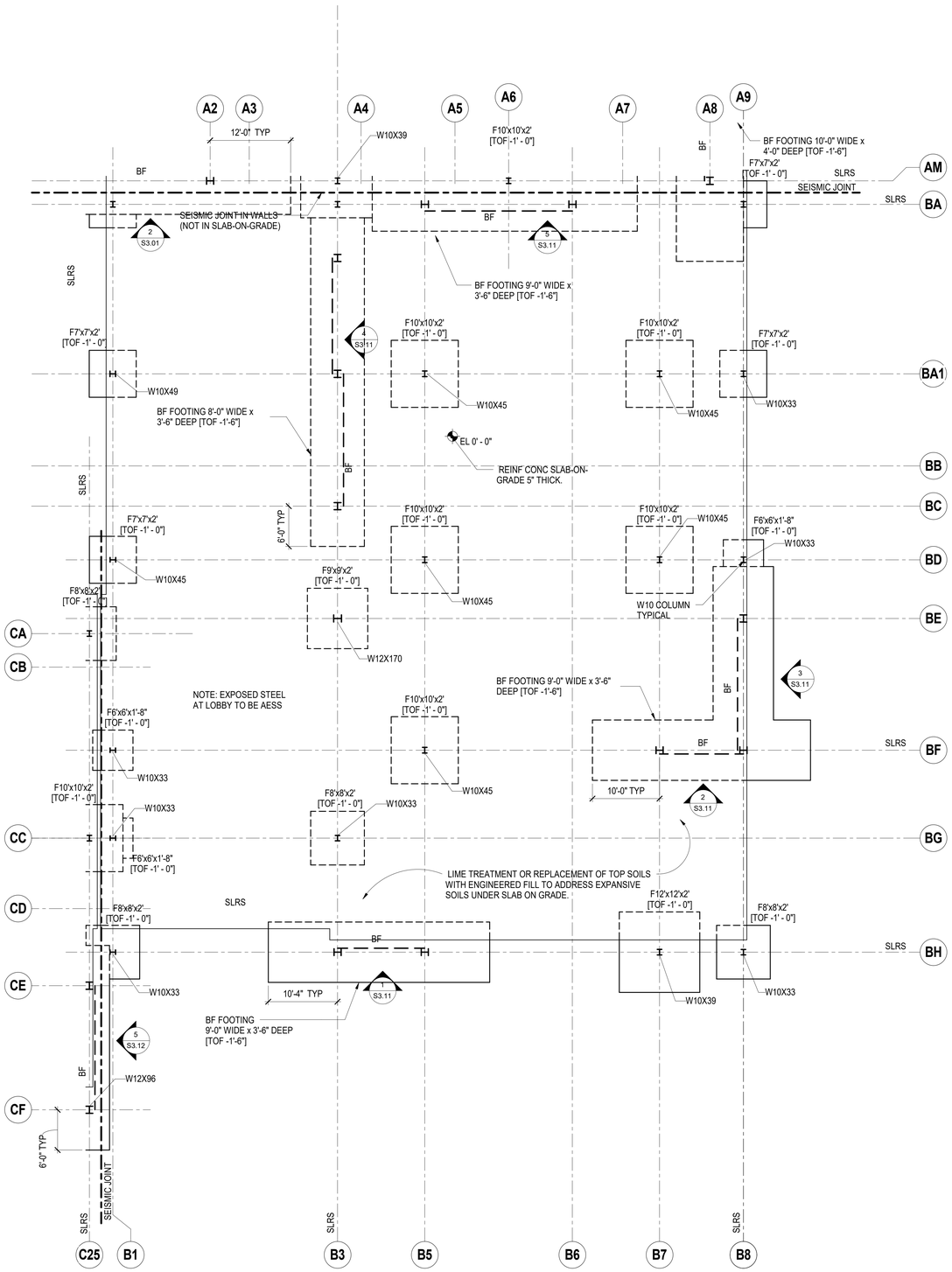
LEVEL 01 - SECTOR 1

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S2.11

DESIGN DEVELOPMENT SET



1 SECTOR 2 FOUNDATION PLAN

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

FOUNDATION PLAN NOTES:

1. SEE GEOTECHNICAL REPORT LISTED IN FOUNDATIONS GENERAL NOTES ON SHEET S1.01 FOR FURTHER RECOMMENDATIONS.
2. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
3. SEE TYPICAL FOUNDATION DETAILS ON SHEETS S4.00-S4.03.
4. FOUNDATION PLAN IS TAKEN ABOVE SLAB-ON-GRADE. TYPICAL TOP OF SLAB ELEVATION IS CALLED OUT IN PLAN. RELATIVE SLAB ELEVATIONS WITH RESPECT TO SLAB REFERENCE ELEVATION ARE SHOWN THUS: [-0'-2"].
5. TYPICAL TOP OF FOOTING ELEVATION -1'-0" U.O.N.
6. EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
7. ALL FOUNDATION EXCAVATIONS MUST BE REVIEWED AND APPROVED BY THE SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
8. VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATIONS NOTIFY ARCHITECT AND SER PRIOR TO EXCAVATION IN THE EVENT SUCH UTILITIES ARE ENCOUNTERED.
9. CONTRACTOR SHALL COORDINATE ALL UTILITY PENETRATIONS THROUGH FOOTINGS, CONCRETE WALLS, AND SLABS WITH DETAILS ON SHEET S4.01 AND S4.02. PENETRATIONS ARE NOT ALLOWED AT BRACED FRAMES FOOTING.
10. FOR DRAINAGE DETAILS, SUMPS, PITS, DAMP PROOFING, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.
11. SLAB CONSTRUCTION AND CONTROL JOINT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT AND SER PRIOR TO PLACING ANY CONCRETE.
12. CURBS AND DEPRESSIONS ARE SHOWN FOR REFERENCE ONLY. SEE ARCH DWGS FOR LOCATIONS, HEIGHT, AND THICKNESS.
13. SEE SHEET S5.00 AND S4.03 FOR STEEL BASE PLATE SCHEDULE.
14. SEE ARCH DWGS FOR EDGE OF SLAB LOCATIONS.

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

LEVEL 01 - SECTOR 2

PROJECT NO: U19003.00
DATE: 11-07-19

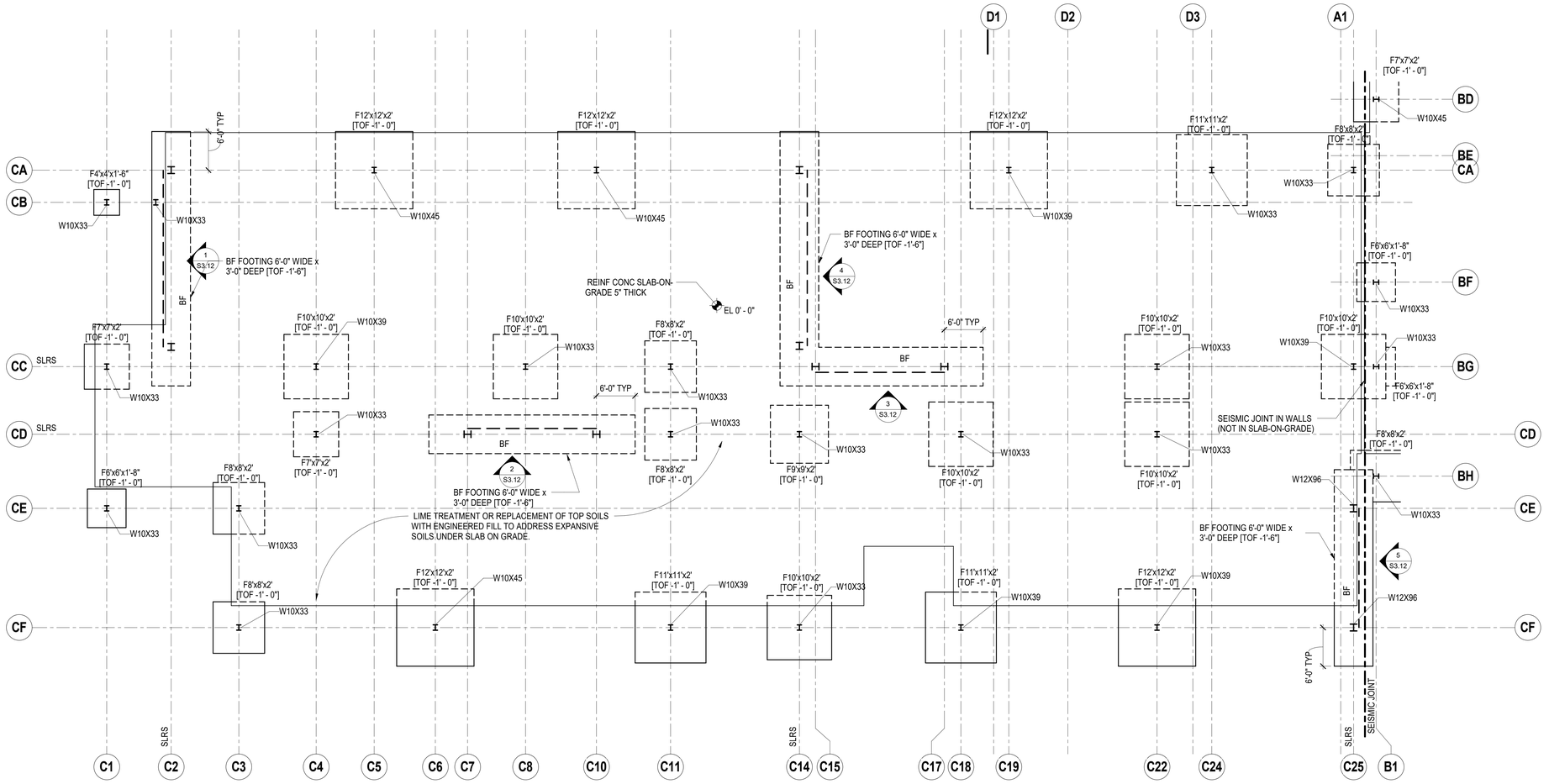
SHEET NO:

S2.12

DESIGN DEVELOPMENT SET

FOUNDATION PLAN NOTES:

1. SEE GEOTECHNICAL REPORT LISTED IN FOUNDATIONS GENERAL NOTES ON SHEET S1.01 FOR FURTHER RECOMMENDATIONS.
2. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
3. SEE TYPICAL FOUNDATION DETAILS ON SHEETS S4.00-S4.03.
4. FOUNDATION PLAN IS TAKEN ABOVE SLAB-ON-GRADE. TYPICAL TOP OF SLAB ELEVATION IS CALLED OUT IN PLAN. RELATIVE SLAB ELEVATIONS WITH RESPECT TO SLAB REFERENCE ELEVATION ARE SHOWN THUS: [-0'-2"].
5. TYPICAL TOP OF FOOTING ELEVATION -1'-0" U.O.N.
6. EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
7. ALL FOUNDATION EXCAVATIONS MUST BE REVIEWED AND APPROVED BY THE SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
8. VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATIONS NOTIFY ARCHITECT AND SER PRIOR TO EXCAVATION IN THE EVENT SUCH UTILITIES ARE ENCOUNTERED.
9. CONTRACTOR SHALL COORDINATE ALL UTILITY PENETRATIONS THROUGH FOOTINGS, CONCRETE WALLS, AND SLABS WITH DETAILS ON SHEET S4.01 AND S4.02. PENETRATIONS ARE NOT ALLOWED AT BRACED FRAMES FOOTING.
10. FOR DRAINAGE DETAILS, SUMPS, PITS, DAMP PROOFING, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.
11. SLAB CONSTRUCTION AND CONTROL JOINT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT AND SER PRIOR TO PLACING ANY CONCRETE.
12. CURBS AND DEPRESSIONS ARE SHOWN FOR REFERENCE ONLY. SEE ARCH DWGS FOR LOCATIONS, HEIGHT, AND THICKNESS.
13. SEE SHEET S5.00 AND S4.03 FOR STEEL BASE PLATE SCHEDULE.
14. SEE ARCH DWGS FOR EDGE OF SLAB LOCATIONS.



1 SECTOR 3 FOUNDATION PLAN

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

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

LEVEL 01 - SECTOR 3

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S2.13

DESIGN DEVELOPMENT SET

1 SECTOR 4 FOUNDATION PLAN

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

FOUNDATION PLAN NOTES:

1. SEE GEOTECHNICAL REPORT LISTED IN FOUNDATIONS GENERAL NOTES ON SHEET S1.01 FOR FURTHER RECOMMENDATIONS.
2. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
3. SEE TYPICAL FOUNDATION DETAILS ON SHEETS S4.00-S4.03.
4. FOUNDATION PLAN IS TAKEN ABOVE SLAB-ON-GRADE. TYPICAL TOP OF SLAB ELEVATION IS CALLED OUT IN PLAN. RELATIVE SLAB ELEVATIONS WITH RESPECT TO SLAB REFERENCE ELEVATION ARE SHOWN THUS: [-0'-2"].
5. TYPICAL TOP OF FOOTING ELEVATION -1'-0" U.O.N.
6. EXCAVATIONS SHALL BE MADE AS NEAR AS POSSIBLE TO THE NEAT LINES REQUIRED BY THE SIZE AND SHAPE OF THE STRUCTURE. NO MATERIAL IS TO BE EXCAVATED UNNECESSARILY.
7. ALL FOUNDATION EXCAVATIONS MUST BE REVIEWED AND APPROVED BY THE SOILS ENGINEER PRIOR TO PLACEMENT OF CONCRETE.
8. VERIFY LOCATION OF UNDERGROUND UTILITIES BEFORE EXCAVATIONS NOTIFY ARCHITECT AND SER PRIOR TO EXCAVATION IN THE EVENT SUCH UTILITIES ARE ENCOUNTERED.
9. CONTRACTOR SHALL COORDINATE ALL UTILITY PENETRATIONS THROUGH FOOTINGS, CONCRETE WALLS, AND SLABS WITH DETAILS ON SHEET S4.01 AND S4.02. PENETRATIONS ARE NOT ALLOWED AT BRACED FRAMES FOOTING.
10. FOR DRAINAGE DETAILS, SUMPS, PITS, DAMP PROOFING, TRENCHES, CURBS, EXTERIOR WALKS, UTILITIES, EQUIPMENT DETAILS, STEPS, ETC., SEE DRAWINGS OTHER THAN STRUCTURAL.
11. SLAB CONSTRUCTION AND CONTROL JOINT LOCATIONS SHALL BE APPROVED BY THE ARCHITECT AND SER PRIOR TO PLACING ANY CONCRETE.
12. CURBS AND DEPRESSIONS ARE SHOWN FOR REFERENCE ONLY. SEE ARCH DWGS FOR LOCATIONS, HEIGHT, AND THICKNESS.
13. SEE SHEET S5.00 AND S4.03 FOR STEEL BASE PLATE SCHEDULE.
14. SEE ARCH DWGS FOR EDGE OF SLAB LOCATIONS.

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSES WITHOUT THE PRIOR WRITTEN CONSENT OF LPAS, INC. WITHOUT CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

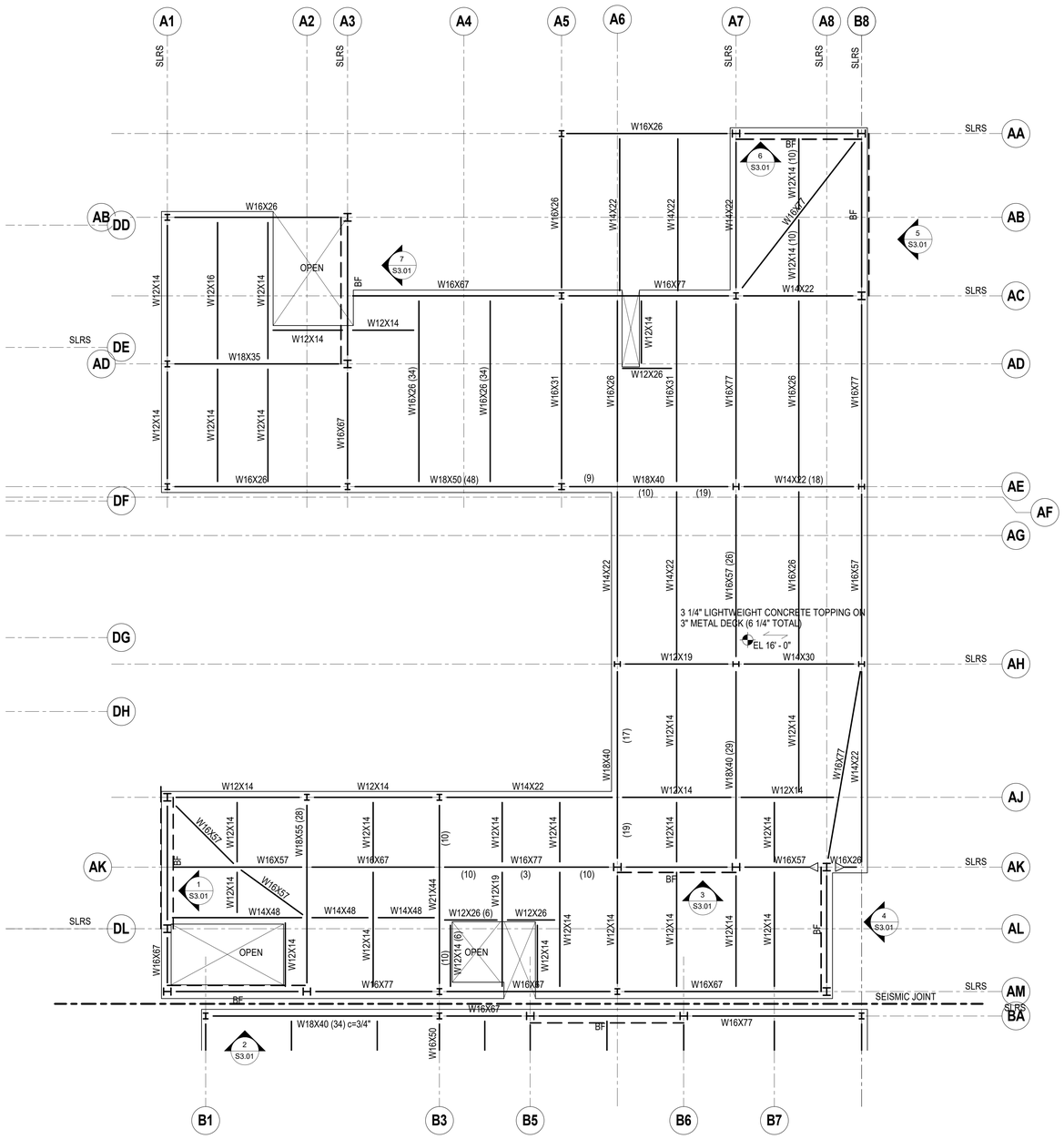
LEVEL 01 - SECTOR 4

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S2.14

DESIGN DEVELOPMENT SET



1 SECTOR 1 2ND FLOOR FRAMING

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

FLOOR FRAMING PLAN NOTES:

1. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
2. SEE TYPICAL STEEL DETAILS ON SHEETS S5.00 - S5.05. SEE TYPICAL STEEL DECK NOTES AND DETAILS ON SHEET S5.10 AND S5.13.
3. ELEVATION TO FLOOR TOP OF CONCRETE IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION AND RELATIVE TO PROJECT BASE DATUM.
4. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW STEEL DECK, U.O.N. ELEVATIONS TO TOP OF STEEL FRAMING IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION.
5. BEAMS SHALL BE ON GRID LINES AND AS DIMENSIONED ON FRAMING PLAN. BEAMS AND BEAM FLANGE BRACING SHALL BE EQUALLY SPACED IN BAYS, UON.
6. DEPRESSIONS, CURBS AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO DRAWINGS OTHER THAN STRUCTURAL.
7. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
8. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.
9. AT ROOF LEVEL, "SOLAR READY" DESIGNATES AREAS THAT HAVE BEEN DESIGNED WITH AN ADDITIONAL 10 PSF OF SUPERIMPOSED DEADLOAD TO ALLOW FOR LATER PHOTOVOLTAIC PANEL INSTALLATION.

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

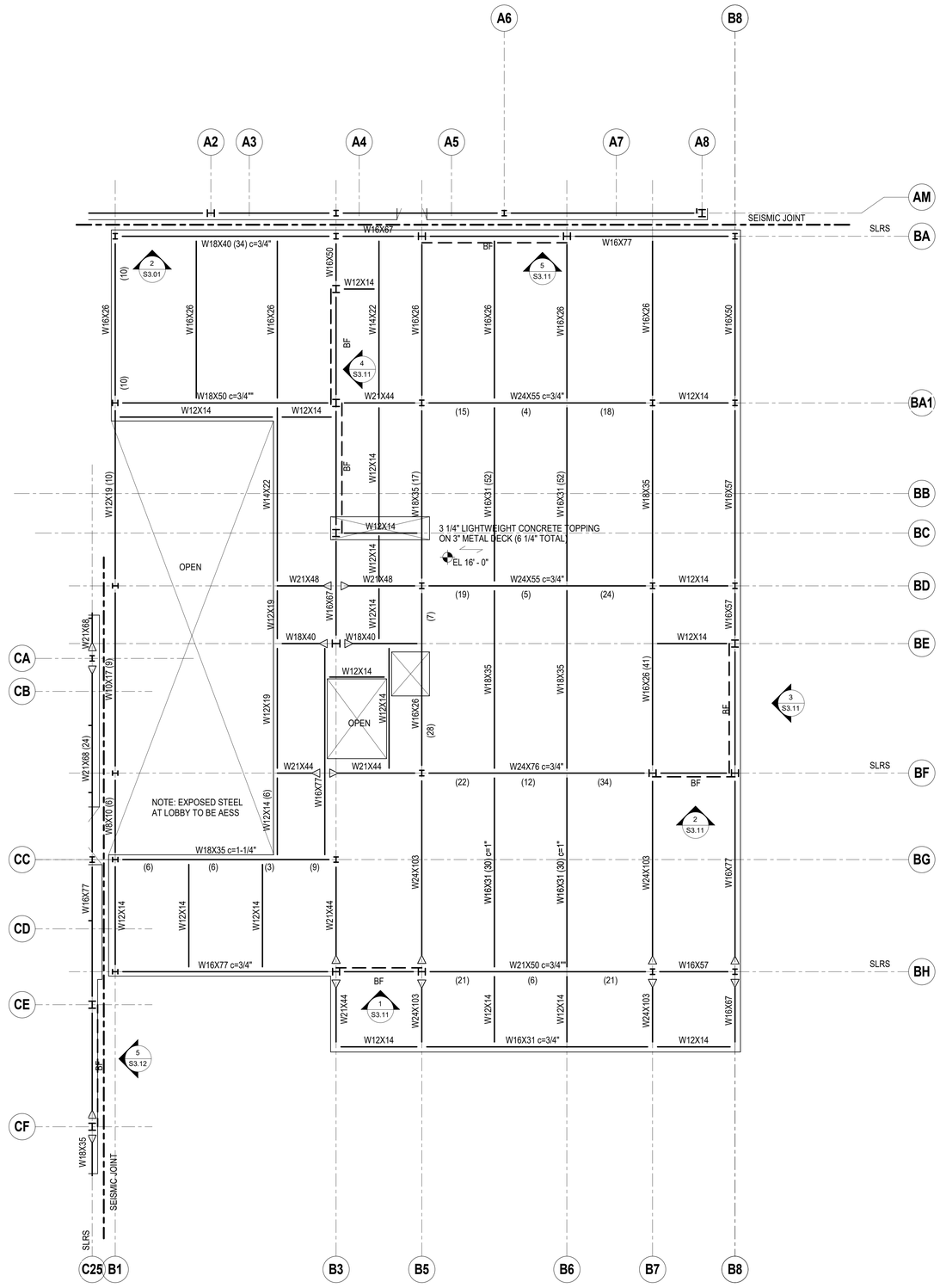
LEVEL 02 - SECTOR 1

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S2.21

DESIGN DEVELOPMENT SET



1 SECTOR 2 2ND FLOOR FRAMING

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

FLOOR FRAMING PLAN NOTES:

1. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
2. SEE TYPICAL STEEL DETAILS ON SHEETS S5.00 - S5.05. SEE TYPICAL STEEL DECK NOTES AND DETAILS ON SHEET S5.10 AND S5.13.
3. ELEVATION TO FLOOR TOP OF CONCRETE IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION AND RELATIVE TO PROJECT BASE DATUM.
4. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW STEEL DECK, U.O.N. ELEVATIONS TO TOP OF STEEL FRAMING IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION.
5. BEAMS SHALL BE ON GRID LINES AND AS DIMENSIONED ON FRAMING PLAN. BEAMS AND BEAM FLANGE BRACING SHALL BE EQUALLY SPACED IN BAYS, UON.
6. DEPRESSIONS, CURBS AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO DRAWINGS OTHER THAN STRUCTURAL.
7. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
8. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.
9. AT ROOF LEVEL, "SOLAR READY" DESIGNATES AREAS THAT HAVE BEEN DESIGNED WITH AN ADDITIONAL 10 PSF OF SUPERIMPOSED DEADLOAD TO ALLOW FOR LATER PHOTOVOLTAIC PANEL INSTALLATION.

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

LEVEL 02 - SECTOR 2

PROJECT NO: U19003.00
DATE: 11-07-19

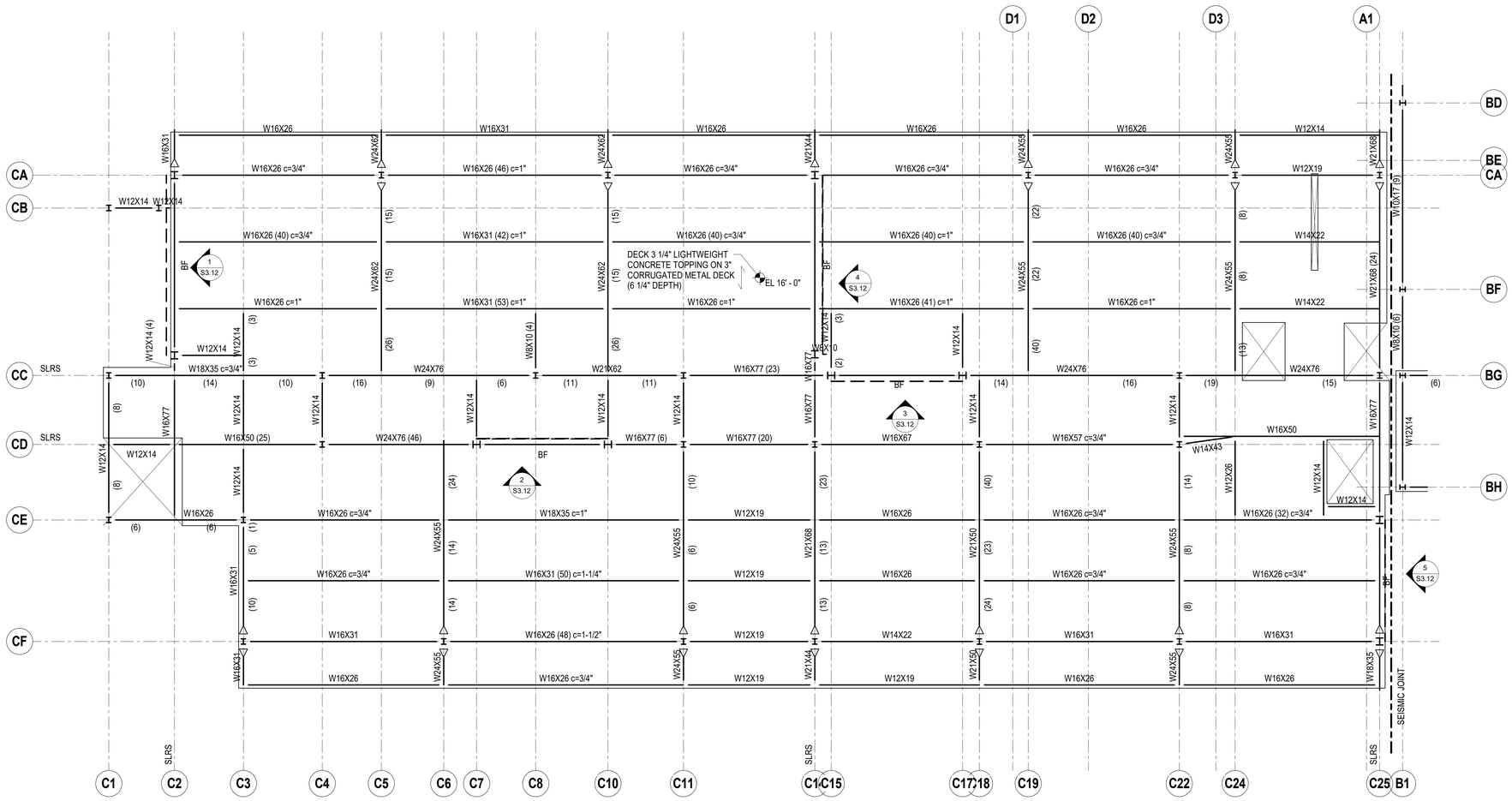
SHEET NO:

S2.22

DESIGN DEVELOPMENT SET

FLOOR FRAMING PLAN NOTES:

1. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
2. SEE TYPICAL STEEL DETAILS ON SHEETS S5.00 - S5.05. SEE TYPICAL STEEL DECK NOTES AND DETAILS ON SHEET S5.10 AND S5.13.
3. ELEVATION TO FLOOR TOP OF CONCRETE IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION AND RELATIVE TO PROJECT BASE DATUM.
4. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW STEEL DECK. U.O.N. ELEVATIONS TO TOP OF STEEL FRAMING IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION.
5. BEAMS SHALL BE ON GRID LINES AND AS DIMENSIONED ON FRAMING PLAN. BEAMS AND BEAM FLANGE BRACING SHALL BE EQUALLY SPACED IN BAYS, UON.
6. DEPRESSIONS, CURBS AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO DRAWINGS OTHER THAN STRUCTURAL.
7. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
8. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.
9. AT ROOF LEVEL, "SOLAR READY" DESIGNATES AREAS THAT HAVE BEEN DESIGNED WITH AN ADDITIONAL 10 PSF OF SUPERIMPOSED DEADLOAD TO ALLOW FOR LATER PHOTOVOLTAIC PANEL INSTALLATION.



1 SECTOR 3 2ND FLOOR FRAMING

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

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND MAY NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

LEVEL 02 - SECTOR 3

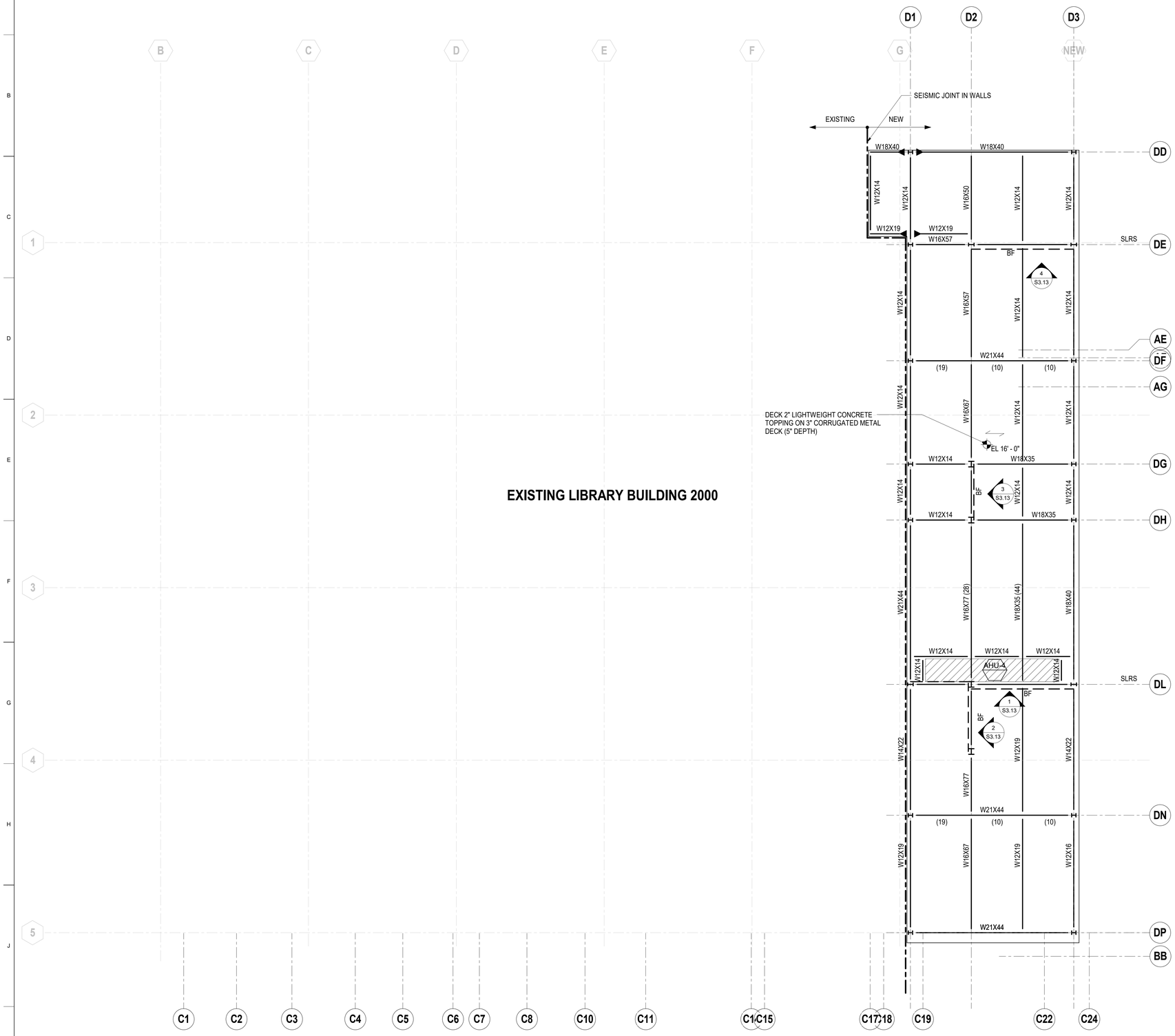
PROJECT NO: U19003.00

DATE: 11-07-19

SHEET NO:

S2.23

DESIGN DEVELOPMENT SET



EXISTING LIBRARY BUILDING 2000

1 SECTOR 4 ROOF FRAMING

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

FLOOR FRAMING PLAN NOTES:

1. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
2. SEE TYPICAL STEEL DETAILS ON SHEETS S5.00 - S5.05. SEE TYPICAL STEEL DECK NOTES AND DETAILS ON SHEET S5.10 AND S5.13.
3. ELEVATION TO FLOOR TOP OF CONCRETE IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION AND RELATIVE TO PROJECT BASE DATUM.
4. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW STEEL DECK, U.O.N. ELEVATIONS TO TOP OF STEEL FRAMING IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION.
5. BEAMS SHALL BE ON GRID LINES AND AS DIMENSIONED ON FRAMING PLAN. BEAMS AND BEAM FLANGE BRACING SHALL BE EQUALLY SPACED IN BAYS, UON.
6. DEPRESSIONS, CURBS AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO DRAWINGS OTHER THAN STRUCTURAL.
7. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
8. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.
9. AT ROOF LEVEL, "SOLAR READY" DESIGNATES AREAS THAT HAVE BEEN DESIGNED WITH AN ADDITIONAL 10 PSF OF SUPERIMPOSED DEADLOAD TO ALLOW FOR LATER PHOTOVOLTAIC PANEL INSTALLATION.

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED F FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti

Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

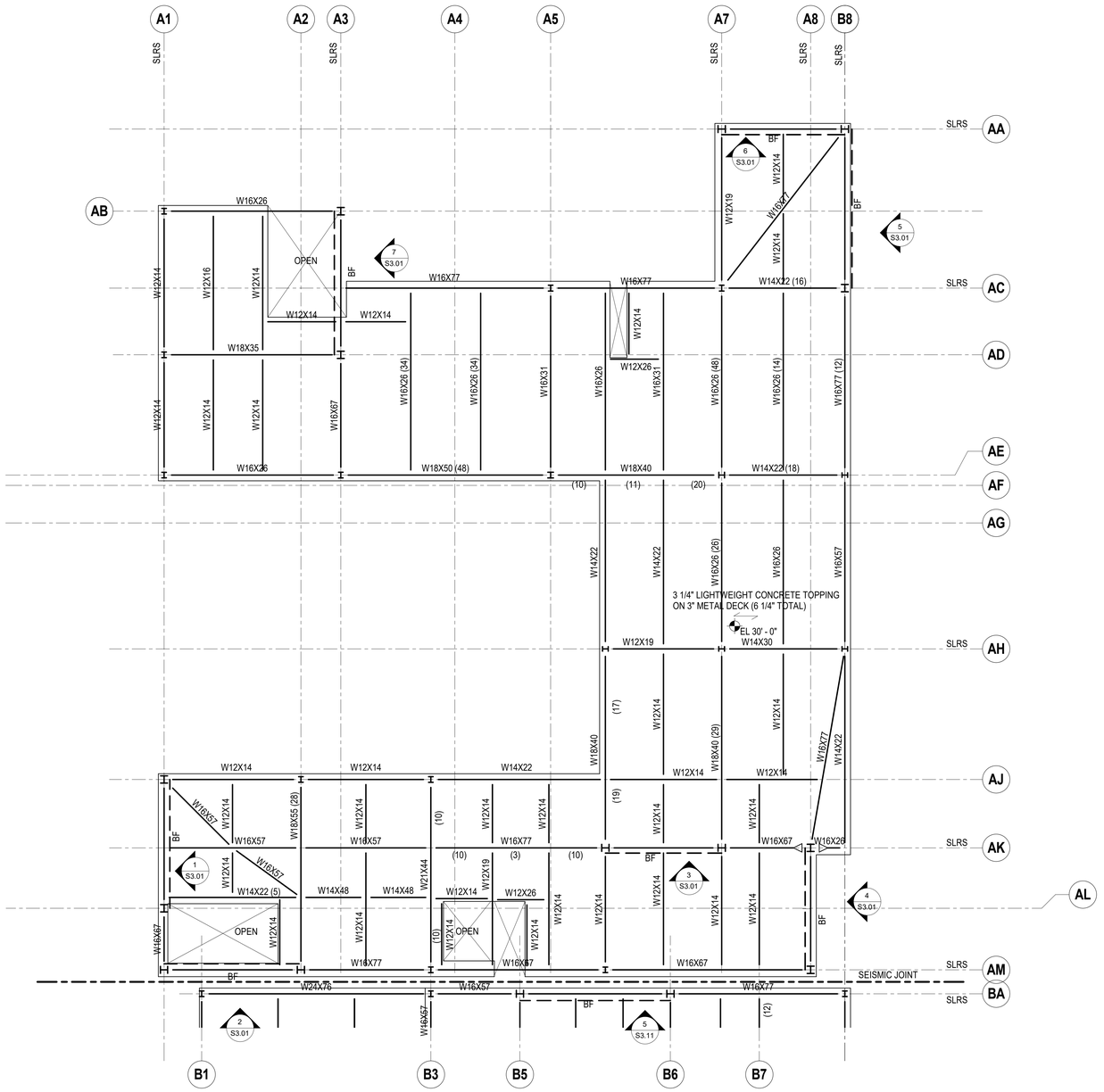
ROOF - SECTOR 4

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S2.24

DESIGN DEVELOPMENT SET



1 SECTOR 1 3RD FLOOR FRAMING

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

FLOOR FRAMING PLAN NOTES:

1. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
2. SEE TYPICAL STEEL DETAILS ON SHEETS S5.00 - S5.05. SEE TYPICAL STEEL DECK NOTES AND DETAILS ON SHEET S5.10 AND S5.13.
3. ELEVATION TO FLOOR TOP OF CONCRETE IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION AND RELATIVE TO PROJECT BASE DATUM.
4. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW STEEL DECK, U.O.N. ELEVATIONS TO TOP OF STEEL FRAMING IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION.
5. BEAMS SHALL BE ON GRID LINES AND AS DIMENSIONED ON FRAMING PLAN. BEAMS AND BEAM FLANGE BRACING SHALL BE EQUALLY SPACED IN BAYS, UON.
6. DEPRESSIONS, CURBS AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO DRAWINGS OTHER THAN STRUCTURAL.
7. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
8. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.
9. AT ROOF LEVEL, "SOLAR READY" DESIGNATES AREAS THAT HAVE BEEN DESIGNED WITH AN ADDITIONAL 10 PSF OF SUPERIMPOSED DEADLOAD TO ALLOW FOR LATER PHOTOVOLTAIC PANEL INSTALLATION.

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE WITHOUT THE PRIOR WRITTEN CONSENT OF LPAS, INC. WITHOUT THE CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

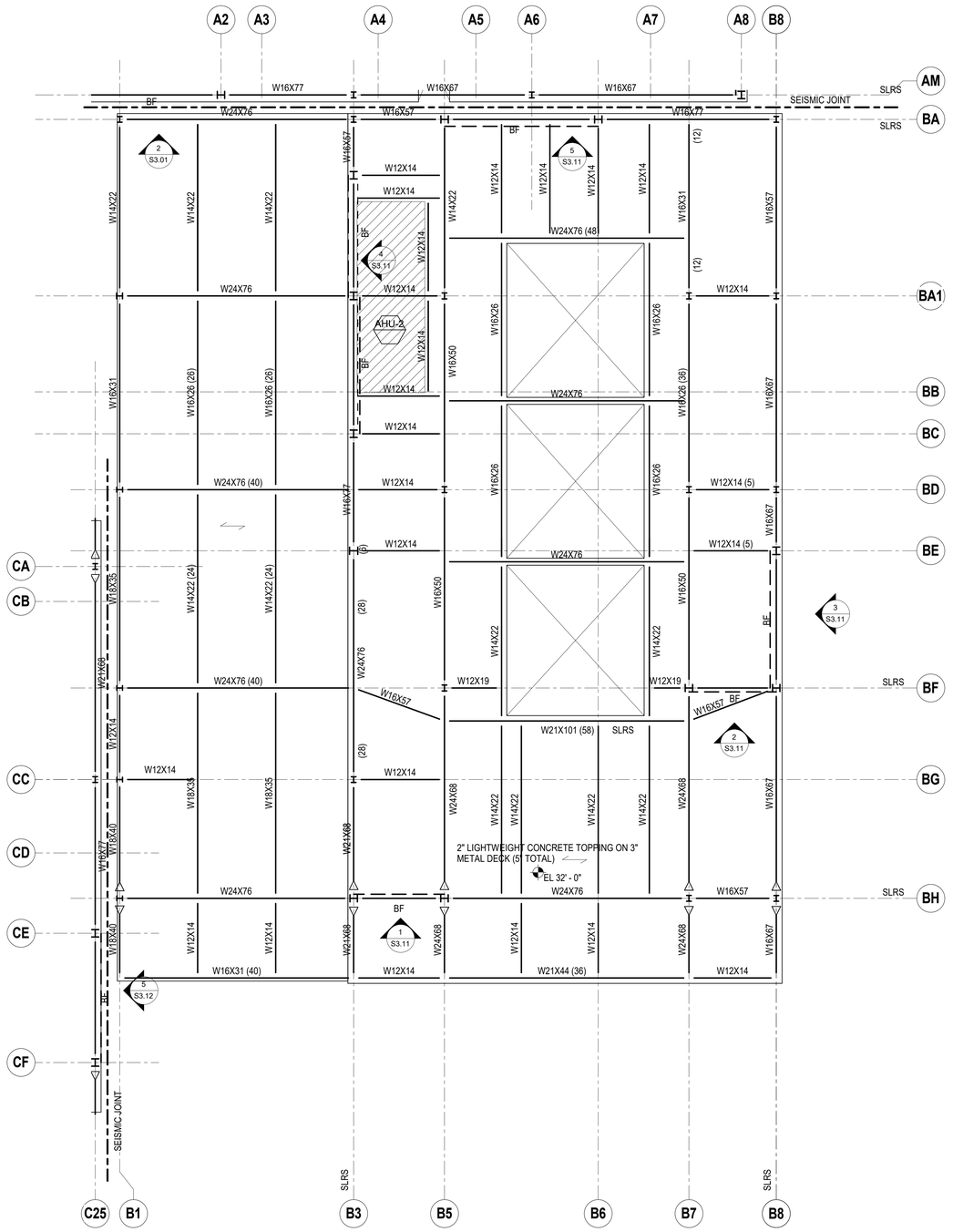
LEVEL 03 - SECTOR 1

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S2.31

DESIGN DEVELOPMENT SET



1 SECTOR 2 ROOF FRAMING

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

FLOOR FRAMING PLAN NOTES:

1. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
2. SEE TYPICAL STEEL DETAILS ON SHEETS S5.00 - S5.05. SEE TYPICAL STEEL DECK NOTES AND DETAILS ON SHEET S5.10 AND S5.13.
3. ELEVATION TO FLOOR TOP OF CONCRETE IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION AND RELATIVE TO PROJECT BASE DATUM.
4. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW STEEL DECK, U.O.N. ELEVATIONS TO TOP OF STEEL FRAMING IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION.
5. BEAMS SHALL BE ON GRID LINES AND AS DIMENSIONED ON FRAMING PLAN. BEAMS AND BEAM FLANGE BRACING SHALL BE EQUALLY SPACED IN BAYS, UON.
6. DEPRESSIONS, CURBS AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO DRAWINGS OTHER THAN STRUCTURAL.
7. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
8. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.
9. AT ROOF LEVEL, "SOLAR READY" DESIGNATES AREAS THAT HAVE BEEN DESIGNED WITH AN ADDITIONAL 10 PSF OF SUPERIMPOSED DEADLOAD TO ALLOW FOR LATER PHOTOVOLTAIC PANEL INSTALLATION.

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

ROOF - SECTOR 2

PROJECT NO: U19003.00
DATE: 11-07-19

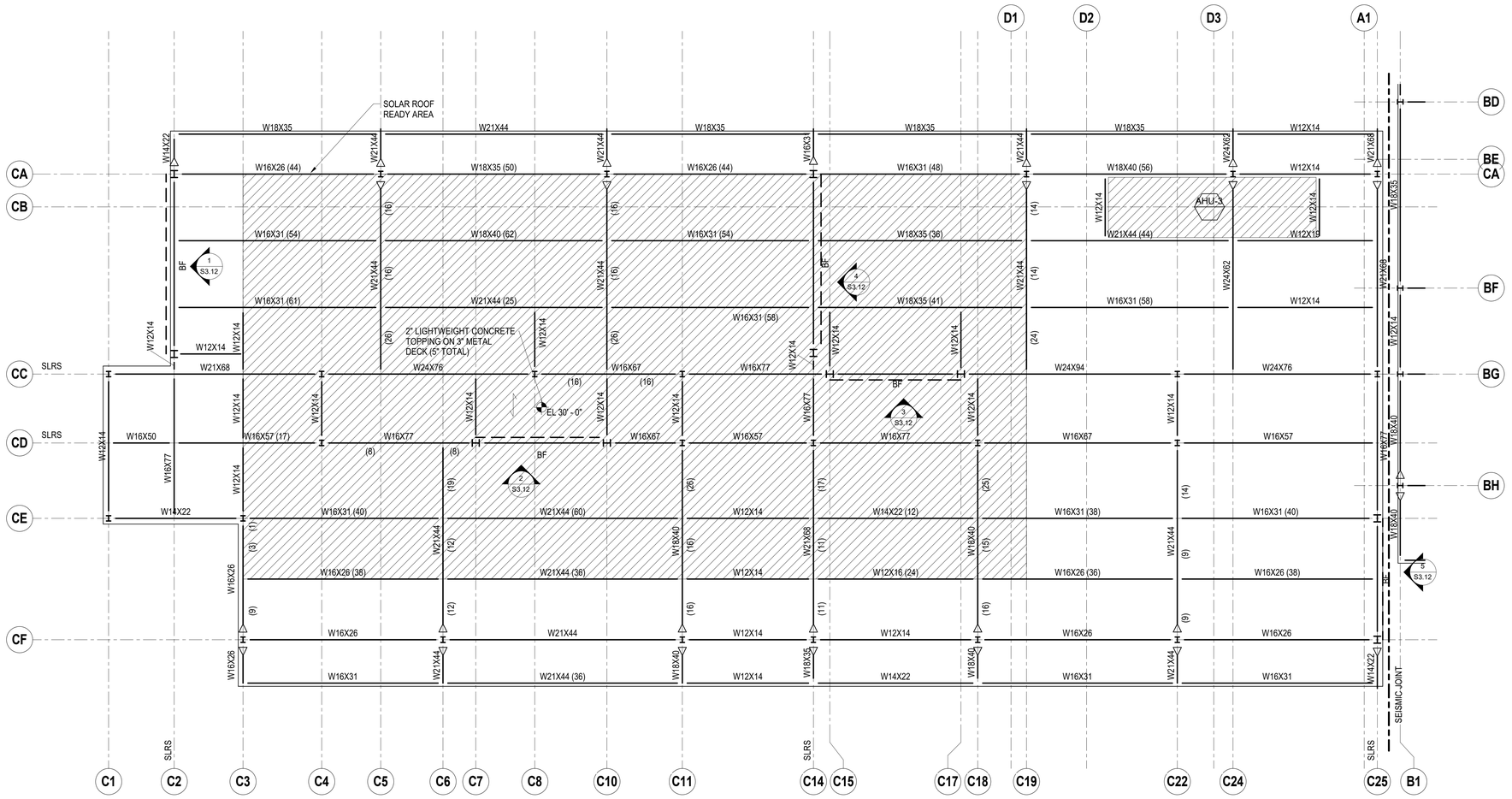
SHEET NO:

S2.32

DESIGN DEVELOPMENT SET

FLOOR FRAMING PLAN NOTES:

1. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
2. SEE TYPICAL STEEL DETAILS ON SHEETS S5.00 - S5.05. SEE TYPICAL STEEL DECK NOTES AND DETAILS ON SHEET S5.10 AND S5.13.
3. ELEVATION TO FLOOR TOP OF CONCRETE IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION AND RELATIVE TO PROJECT BASE DATUM.
4. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW STEEL DECK, U.O.N. ELEVATIONS TO TOP OF STEEL FRAMING IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION.
5. BEAMS SHALL BE ON GRID LINES AND AS DIMENSIONED ON FRAMING PLAN. BEAMS AND BEAM FLANGE BRACING SHALL BE EQUALLY SPACED IN BAYS, UON.
6. DEPRESSIONS, CURBS AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO DRAWINGS OTHER THAN STRUCTURAL.
7. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
8. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.
9. AT ROOF LEVEL, "SOLAR READY" DESIGNATES AREAS THAT HAVE BEEN DESIGNED WITH AN ADDITIONAL 10 PSF OF SUPERIMPOSED DEADLOAD TO ALLOW FOR LATER PHOTOVOLTAIC PANEL INSTALLATION.



1 SECTOR 3 ROOF FRAMING

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

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE TITLE BLOCK. IT SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELOADED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

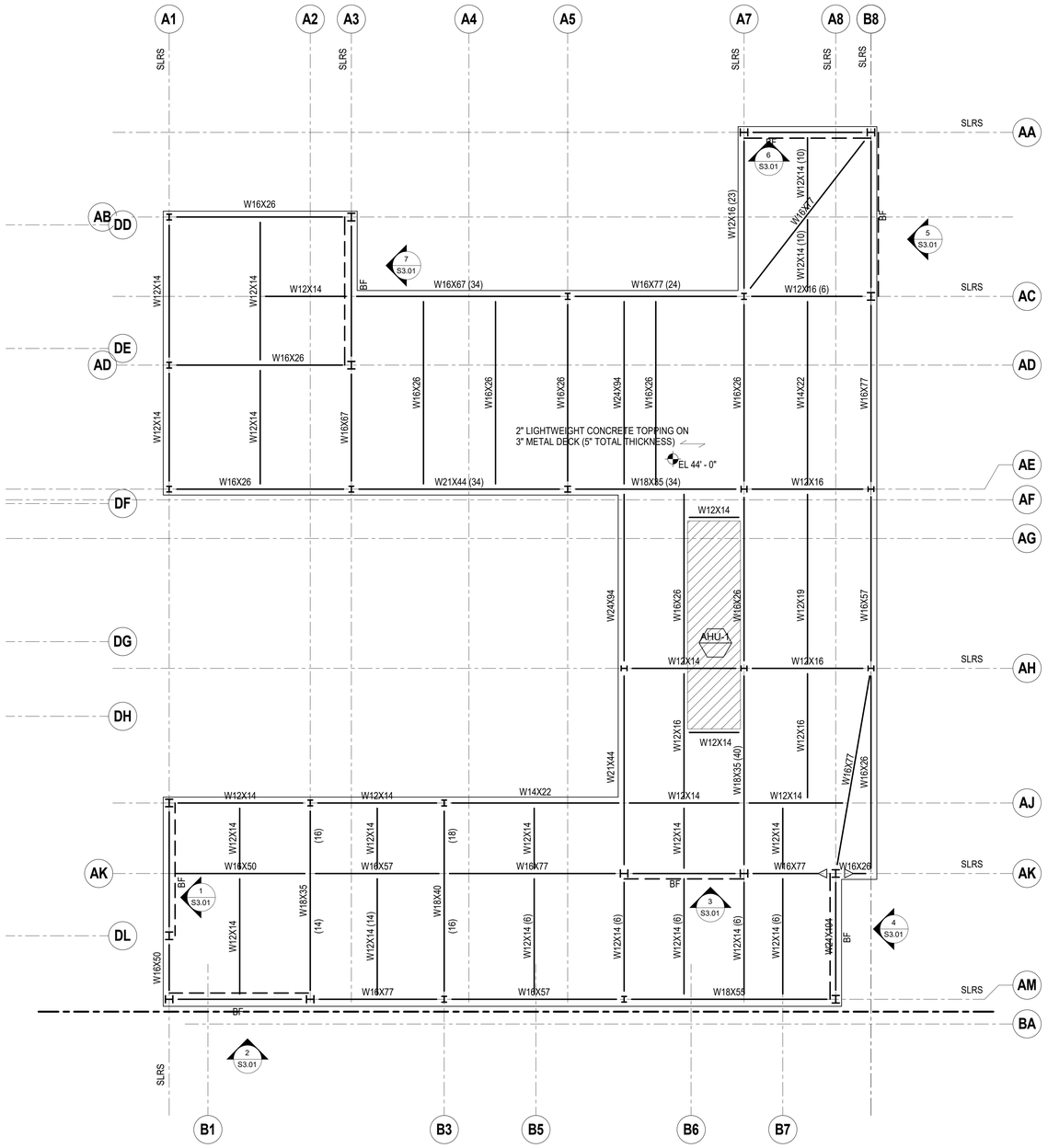
ROOF - SECTOR 3

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S2.33

DESIGN DEVELOPMENT SET



1 SECTOR 1 ROOF FRAMING

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

FLOOR FRAMING PLAN NOTES:

1. SEE GENERAL NOTES ON SHEET S1.01 AND S1.02. SEE SYMBOL LEGEND AND ABBREVIATIONS ON SHEET S1.00.
2. SEE TYPICAL STEEL DETAILS ON SHEETS S5.00 - S5.05. SEE TYPICAL STEEL DECK NOTES AND DETAILS ON SHEET S5.10 AND S5.13.
3. ELEVATION TO FLOOR TOP OF CONCRETE IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION AND RELATIVE TO PROJECT BASE DATUM.
4. TOP OF STEEL BEAMS ARE FLUSH AND OCCUR IMMEDIATELY BELOW STEEL DECK, U.O.N. ELEVATIONS TO TOP OF STEEL FRAMING IS GIVEN WITH RESPECT TO NOMINAL FLOOR ELEVATION.
5. BEAMS SHALL BE ON GRID LINES AND AS DIMENSIONED ON FRAMING PLAN. BEAMS AND BEAM FLANGE BRACING SHALL BE EQUALLY SPACED IN BAYS, UON.
6. DEPRESSIONS, CURBS AND OPENINGS SHOWN ON THIS PLAN ARE NOT COMPLETE AS TO NUMBER, SIZE, AND LOCATION. FOR COMPLETE INFORMATION, REFER TO DRAWINGS OTHER THAN STRUCTURAL.
7. GENERAL CONTRACTOR SHALL COORDINATE THE LOCATION OF EQUIPMENT SUPPORT BEAMS AND BEAMS AROUND FLOOR OPENINGS WITH ALL PROJECT REQUIREMENTS.
8. EDGE OF SLAB LOCATIONS ARE APPROXIMATE, SEE ARCH DWGS FOR EDGE OF SLAB DIMENSIONS.
9. AT ROOF LEVEL, "SOLAR READY" DESIGNATES AREAS THAT HAVE BEEN DESIGNED WITH AN ADDITIONAL 10 PSF OF SUPERIMPOSED DEADLOAD TO ALLOW FOR LATER PHOTOVOLTAIC PANEL INSTALLATION.

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

NOT FOR CONSTRUCTION

CONSULTANT

Thornton Tomasetti
Thornton Tomasetti, Inc.
301 Howard St., Suite 1030
San Francisco, CA 94105
T 415.365.6900 F 415.365.6901

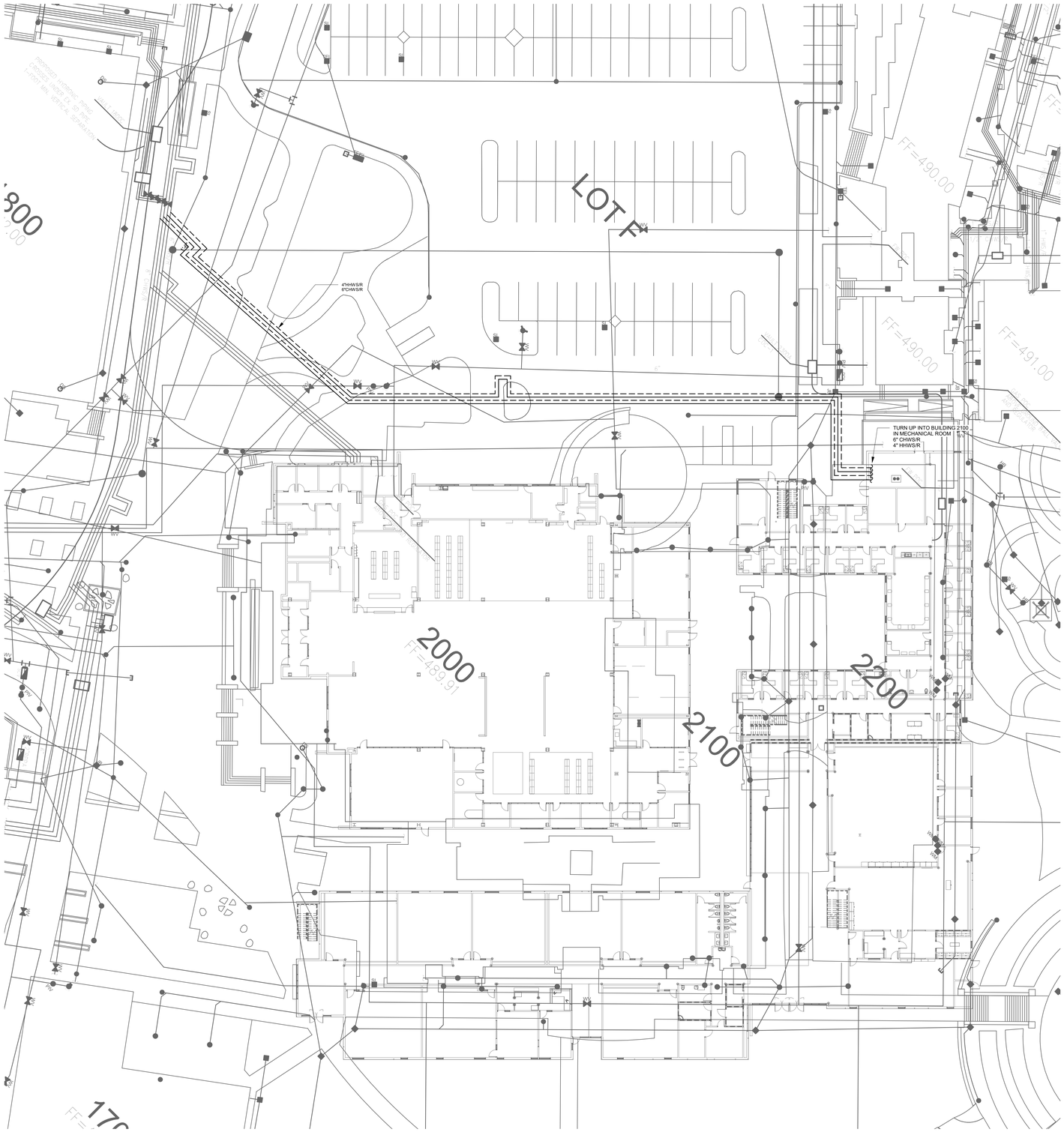
ROOF - SECTOR 1

PROJECT NO: U19003.00
DATE: 11-07-19

SHEET NO:

S2.41

DESIGN DEVELOPMENT SET



1 OVERALL SITE PLAN - ELECTRICAL

0' 20' 40'

1" = 20'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. YANG STATE OF CALIFORNIA

PRELIMINARY

SITE PLAN - MECHANICAL

PROJECT NO: 863-0004

DATE: 11-07-19

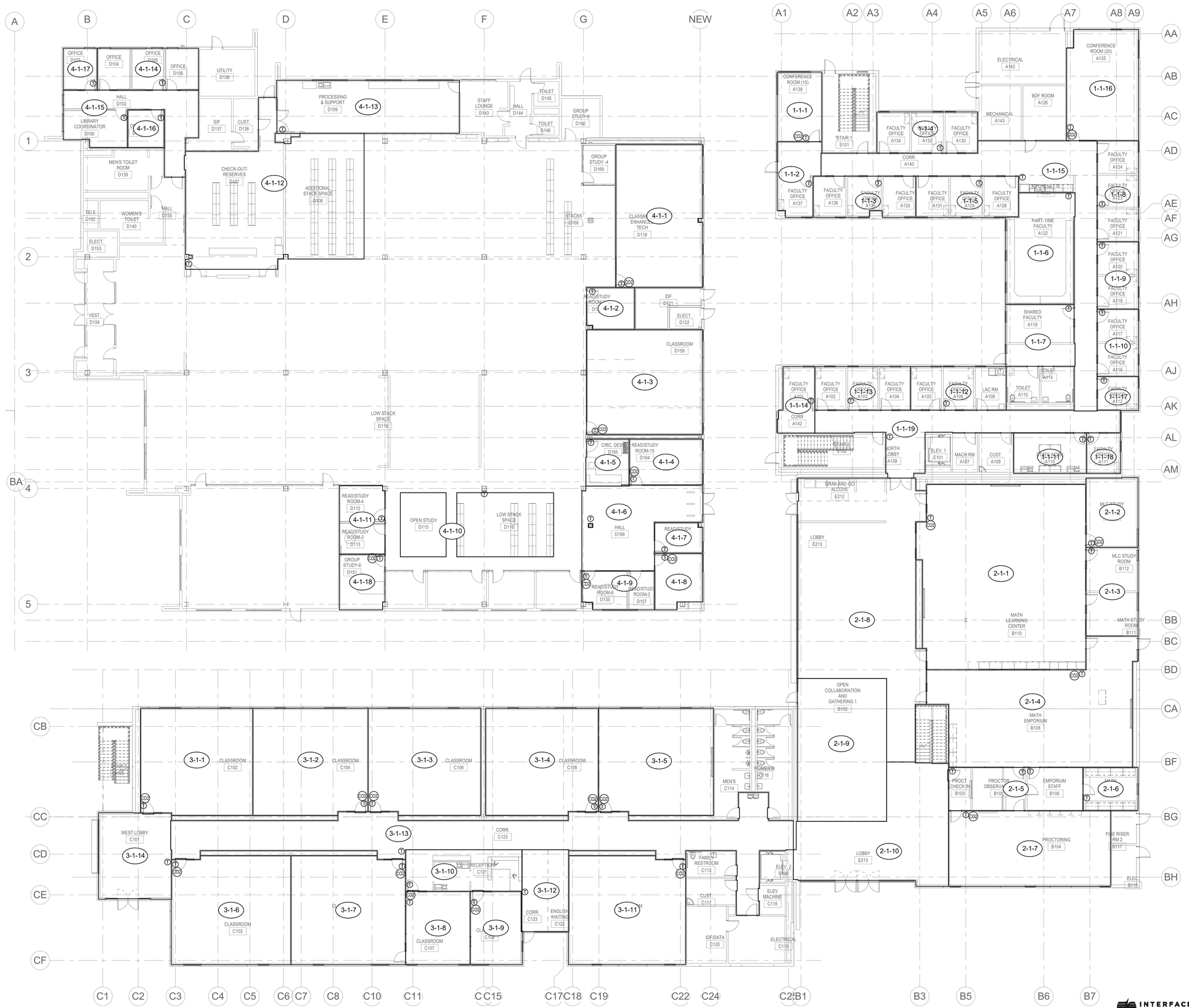
SHEET NO:

M1.00

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

DESIGN DEVELOPMENT SET



1 FIRST FLOOR PLAN - MECHANICAL

0' 8' 16' 24'

3/32" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE No. 17910 CIVIL STATE OF CALIFORNIA

PRELIMINARY

FIRST FLOOR ZONING PLAN - MECHANICAL

PROJECT NO: 863-0004

DATE: 11-07-19

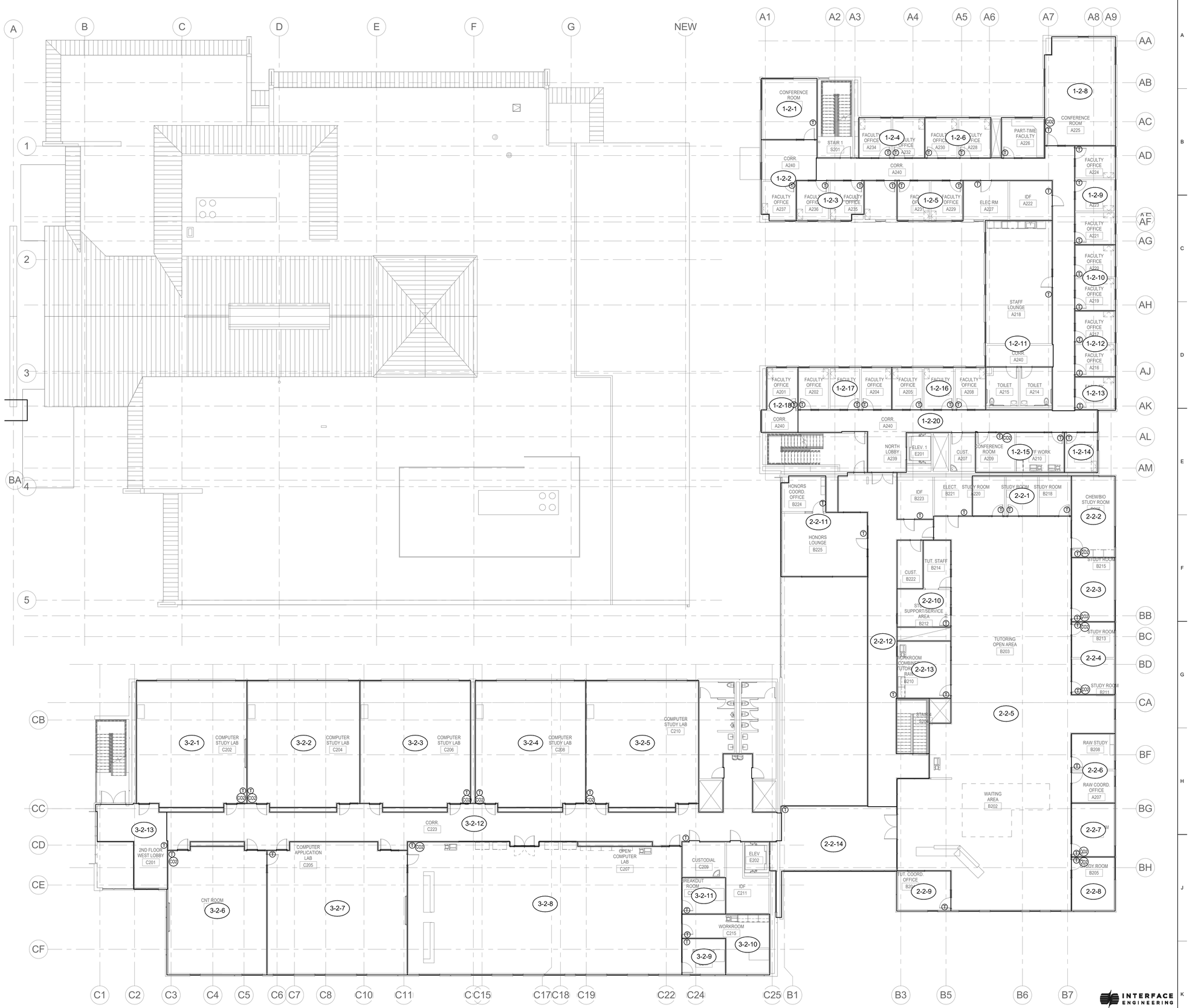
INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

MZ2.10

DESIGN DEVELOPMENT SET



1 SECOND FLOOR PLAN - MECHANICAL

0' 8' 16' 24'

3/32" = 1'-0"

INTERFACE ENGINEERING

PROJECT 2019-0076

CONTACT David Coyle

135 Main Street, Suite 400

San Francisco, CA 94105

TEL 415.489.7240

www.interfaceengineering.com

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833

916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

SECOND FLOOR ZONING PLAN - MECHANICAL

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

MZ2.20

DESIGN DEVELOPMENT SET

1 THIRD FLOOR PLAN - MECHANICAL

0' 8' 16' 24'

3/32" = 1'-0"

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

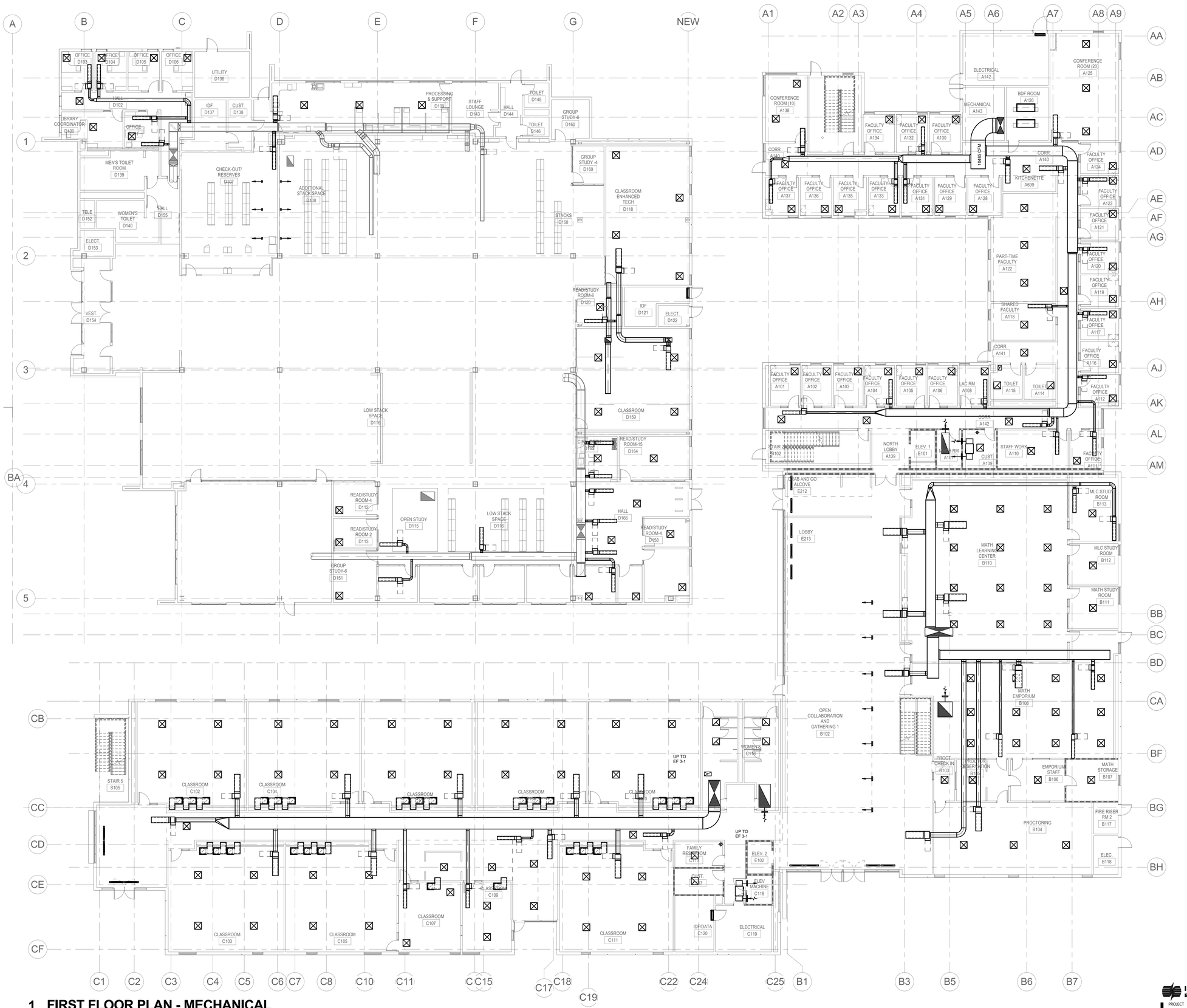
THIRD FLOOR ZONING PLAN - MECHANICAL

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

MZ2.30

DESIGN DEVELOPMENT SET



1 FIRST FLOOR PLAN - MECHANICAL

0' 8' 16' 24'

3/32" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

FIRST FLOOR PLAN - MECHANICAL

PROJECT NO: 863-0004

DATE: 11-07-19

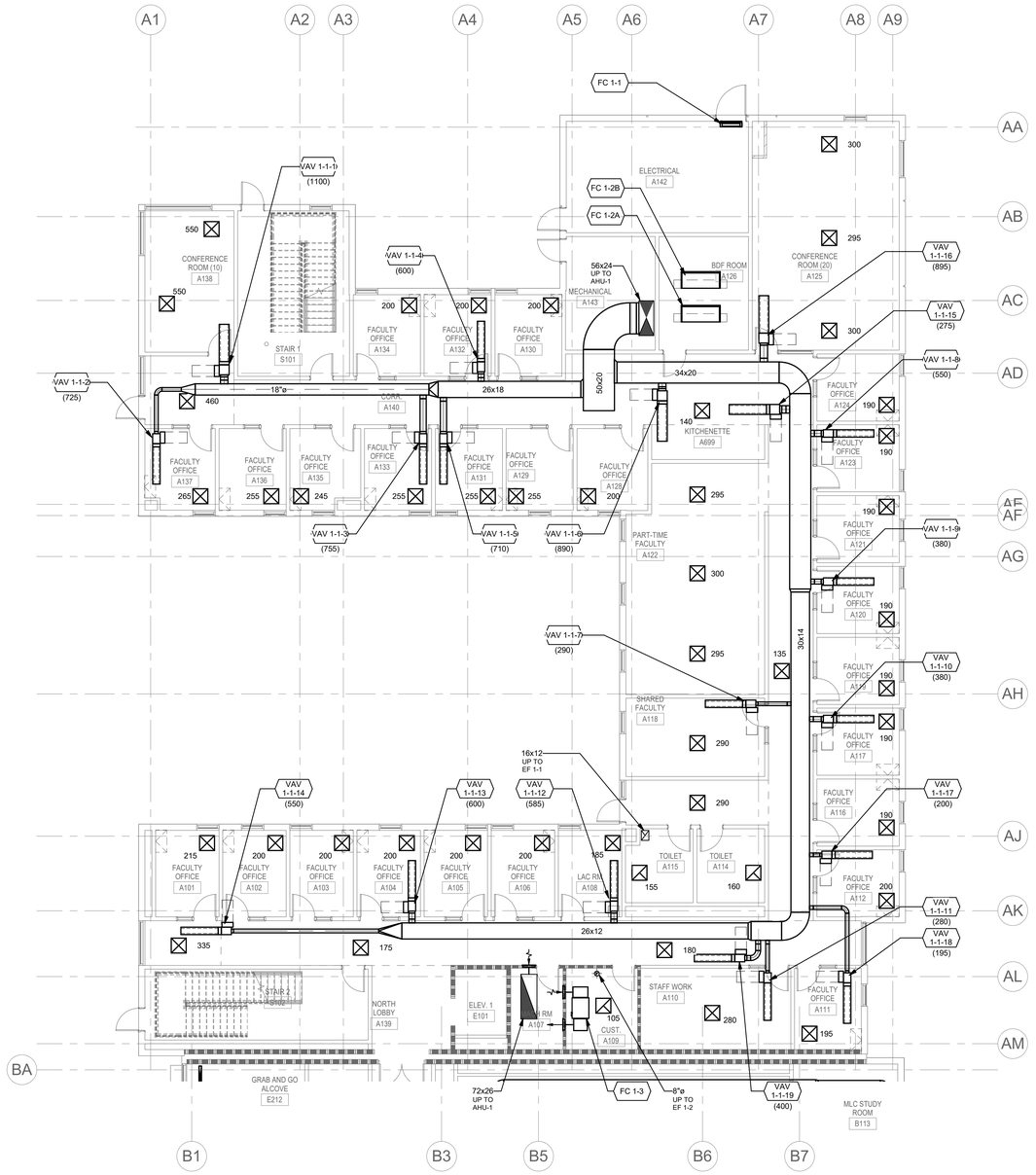
SHEET NO:

M2.10

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

DESIGN DEVELOPMENT SET

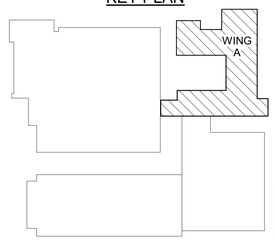


1 1ST FLOOR - SECTOR 1 - FLOOR PLAN

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

1ST FLOOR - SECTOR 1 - FLOOR PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

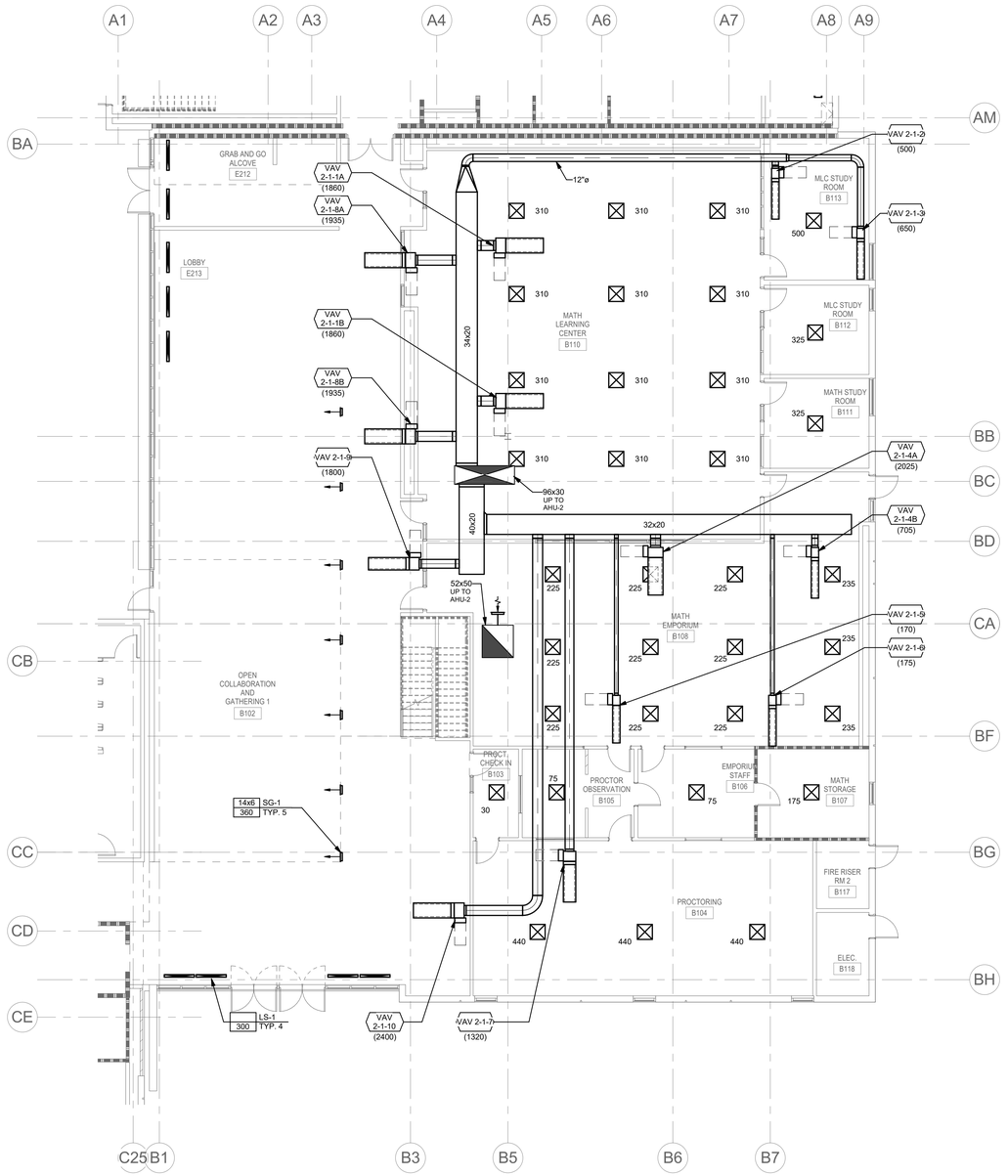
SHEET NO:

M2.11

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

DESIGN DEVELOPMENT SET

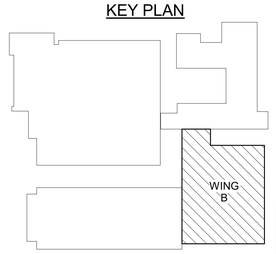


1 1ST FLOOR - SECTOR 2 - FLOOR PLAN

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

1ST FLOOR - SECTOR 2 - FLOOR PLAN

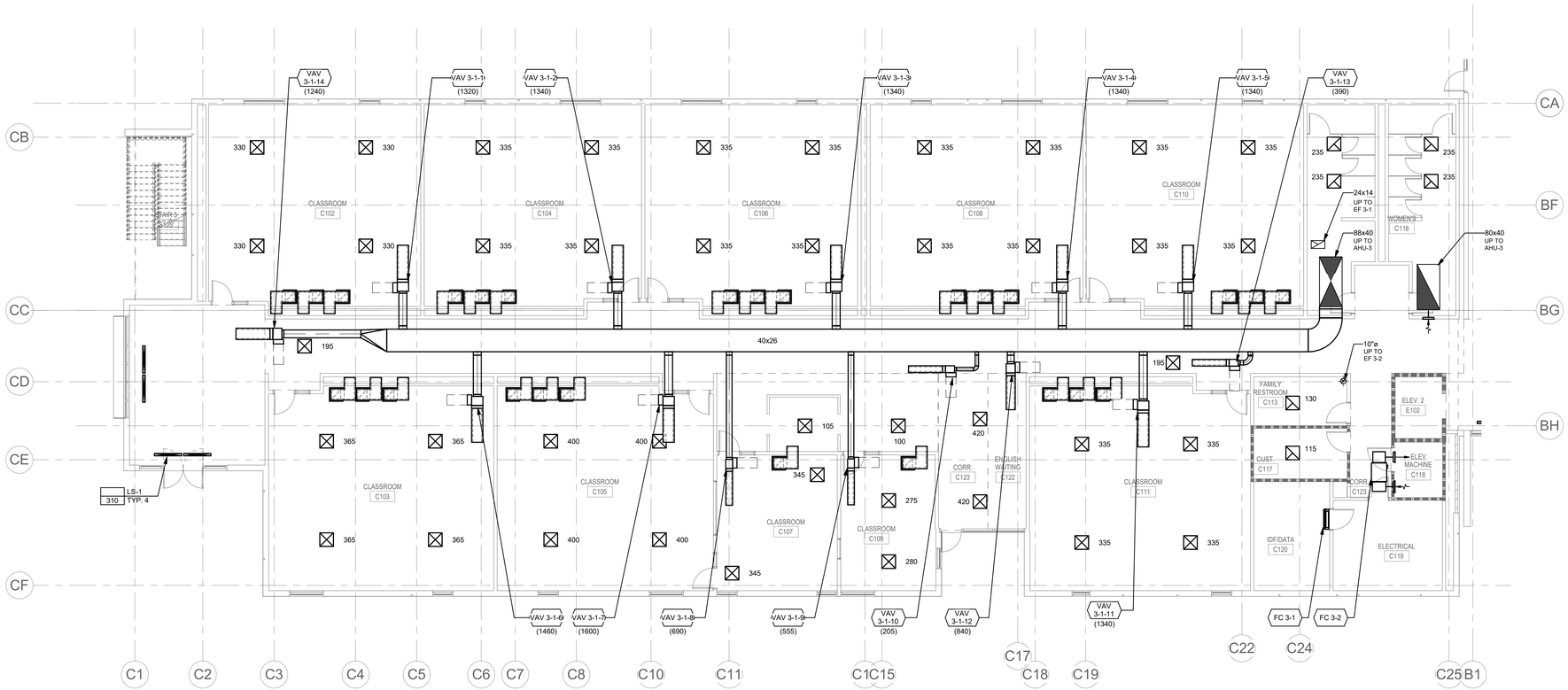
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

M2.12

DESIGN DEVELOPMENT SET

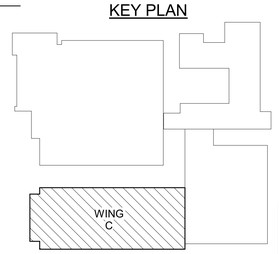


1 1ST FLOOR - SECTOR 3 - FLOOR PLAN

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

1ST FLOOR - SECTOR 3 - FLOOR PLAN

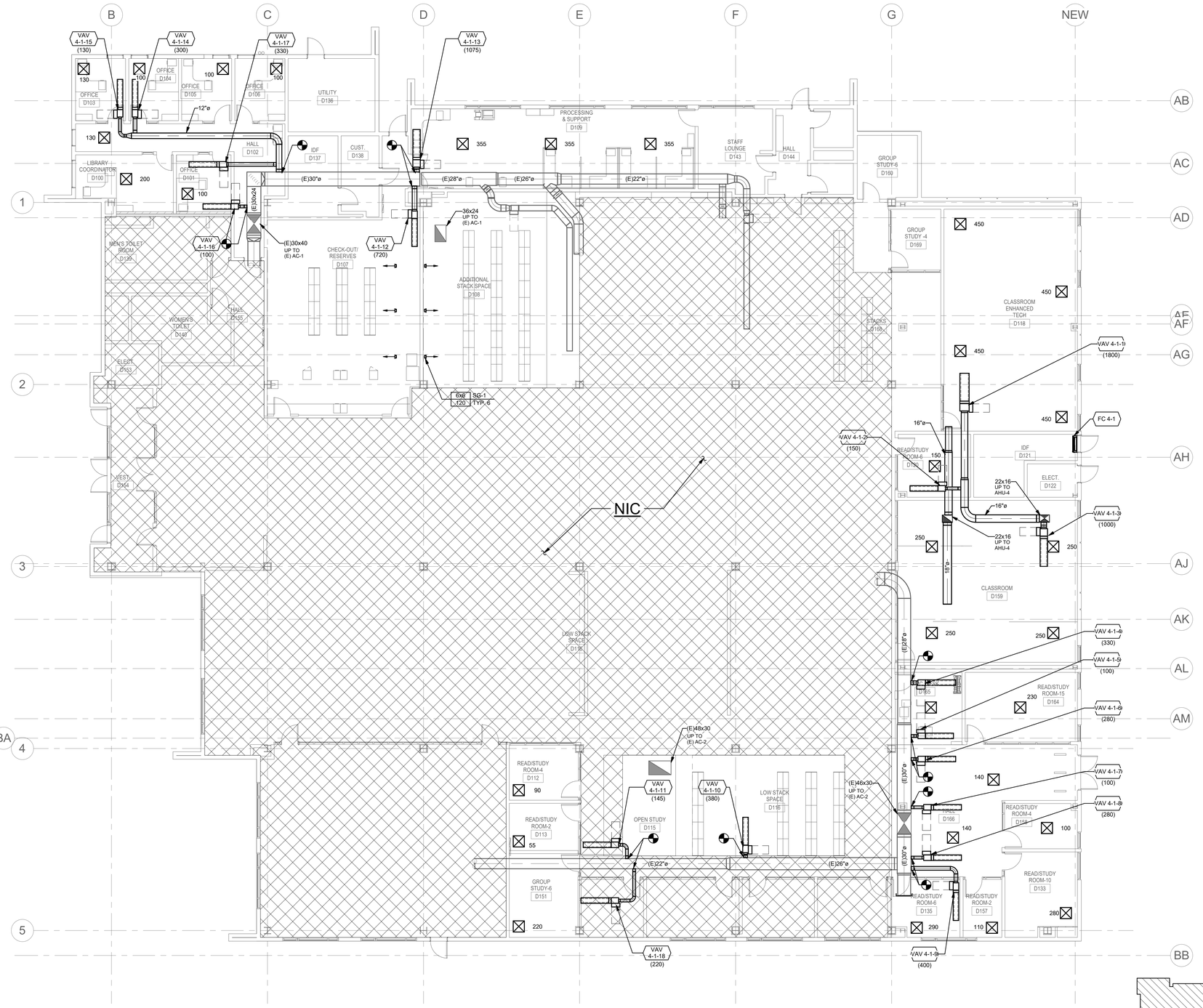
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

M2.13

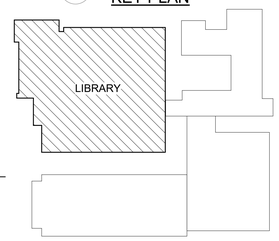
DESIGN DEVELOPMENT SET



1 1ST FLOOR - SECTOR 4 - FLOOR PLAN

0' 4' 8' 16'
1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

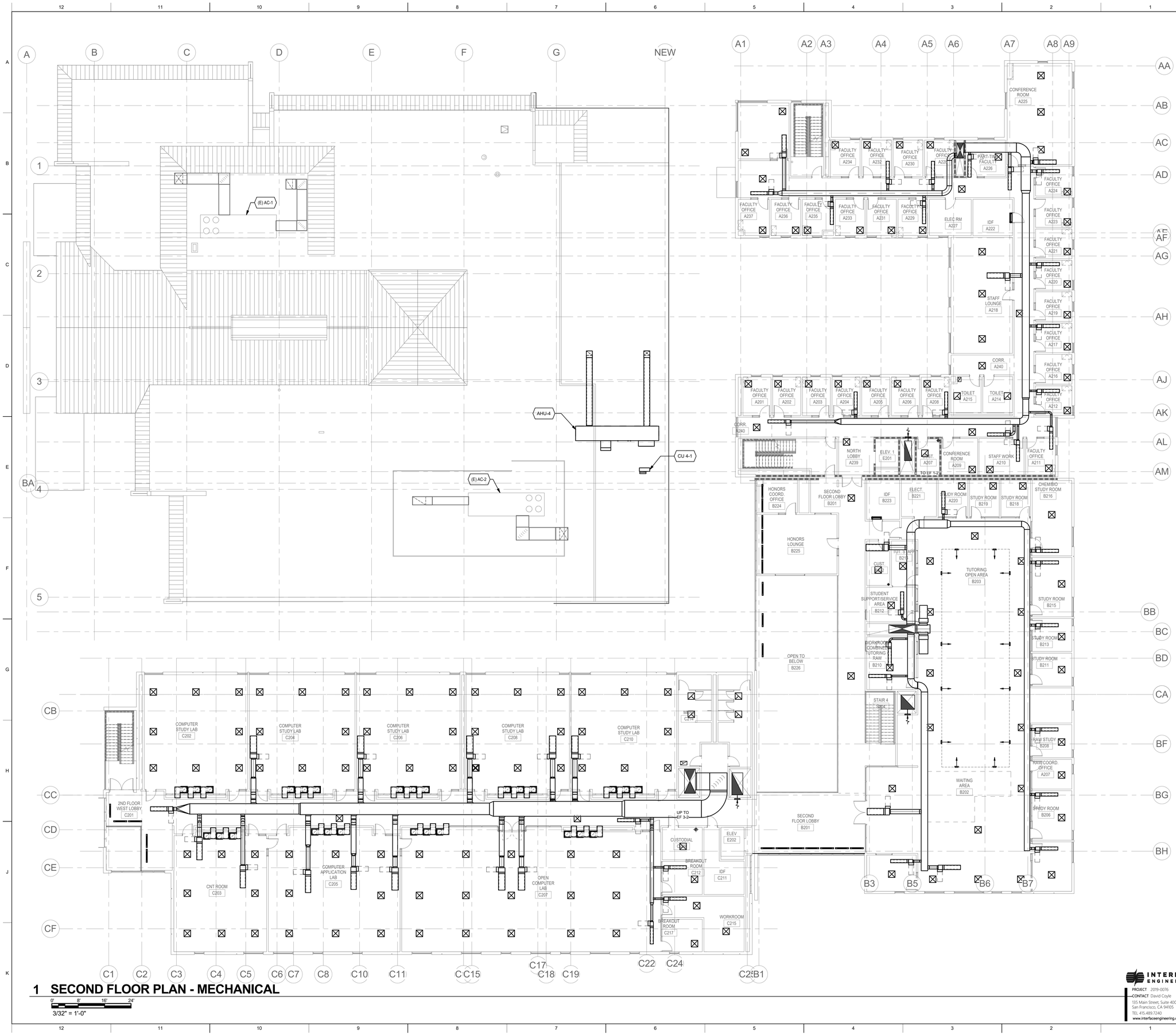
1ST FLOOR - SECTOR 4 - FLOOR PLAN

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

M2.14

DESIGN DEVELOPMENT SET



1 SECOND FLOOR PLAN - MECHANICAL

0' 8' 16' 24'

3/32" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE No. M 21963 MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

SECOND FLOOR PLAN - MECHANICAL

PROJECT NO: 863-0004

DATE: 11-07-19

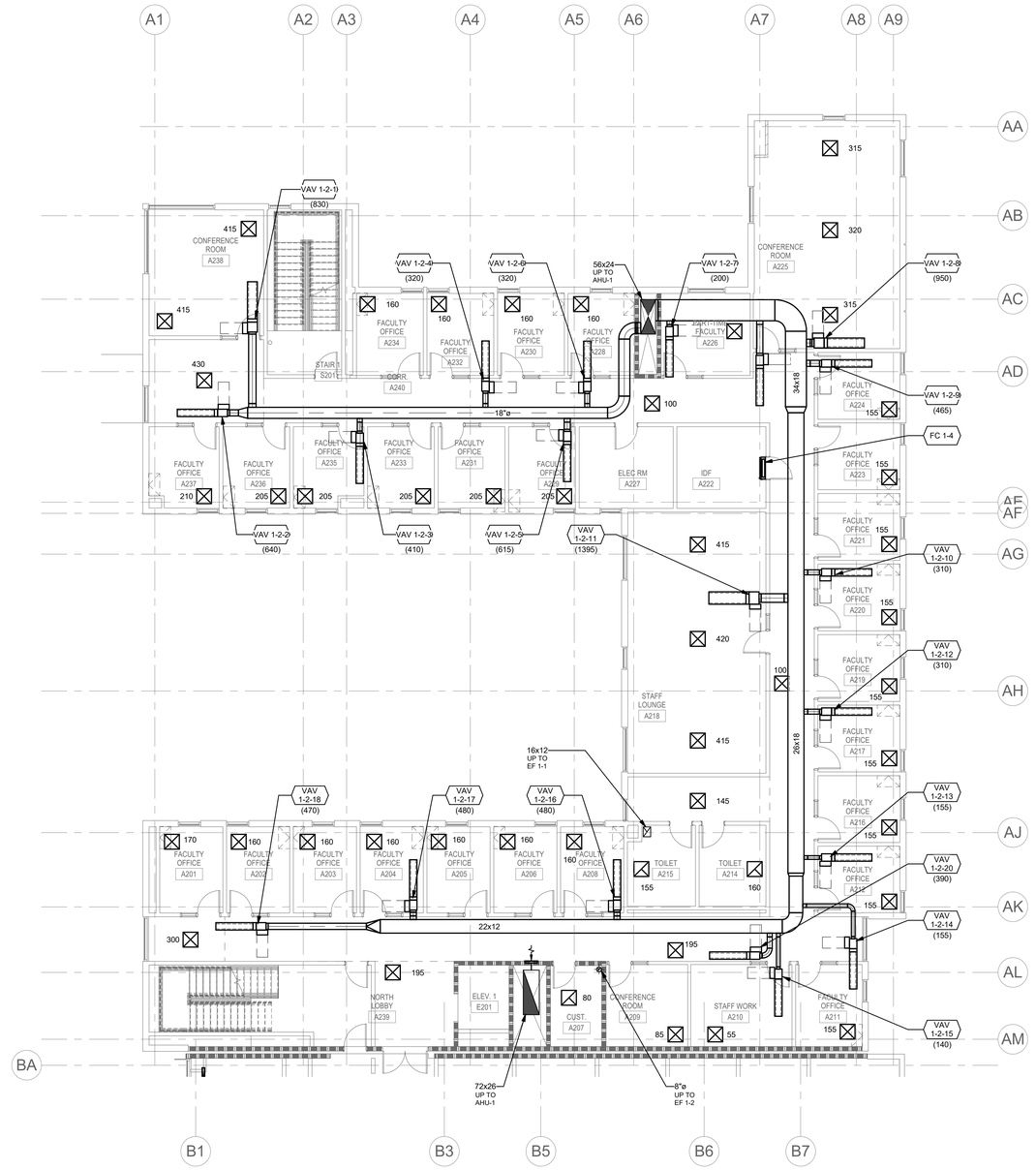
SHEET NO:

M2.20

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

DESIGN DEVELOPMENT SET



1 2ND FLOOR - SECTOR 1 - FLOOR PLAN

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

2ND FLOOR - SECTOR 1 - FLOOR PLAN

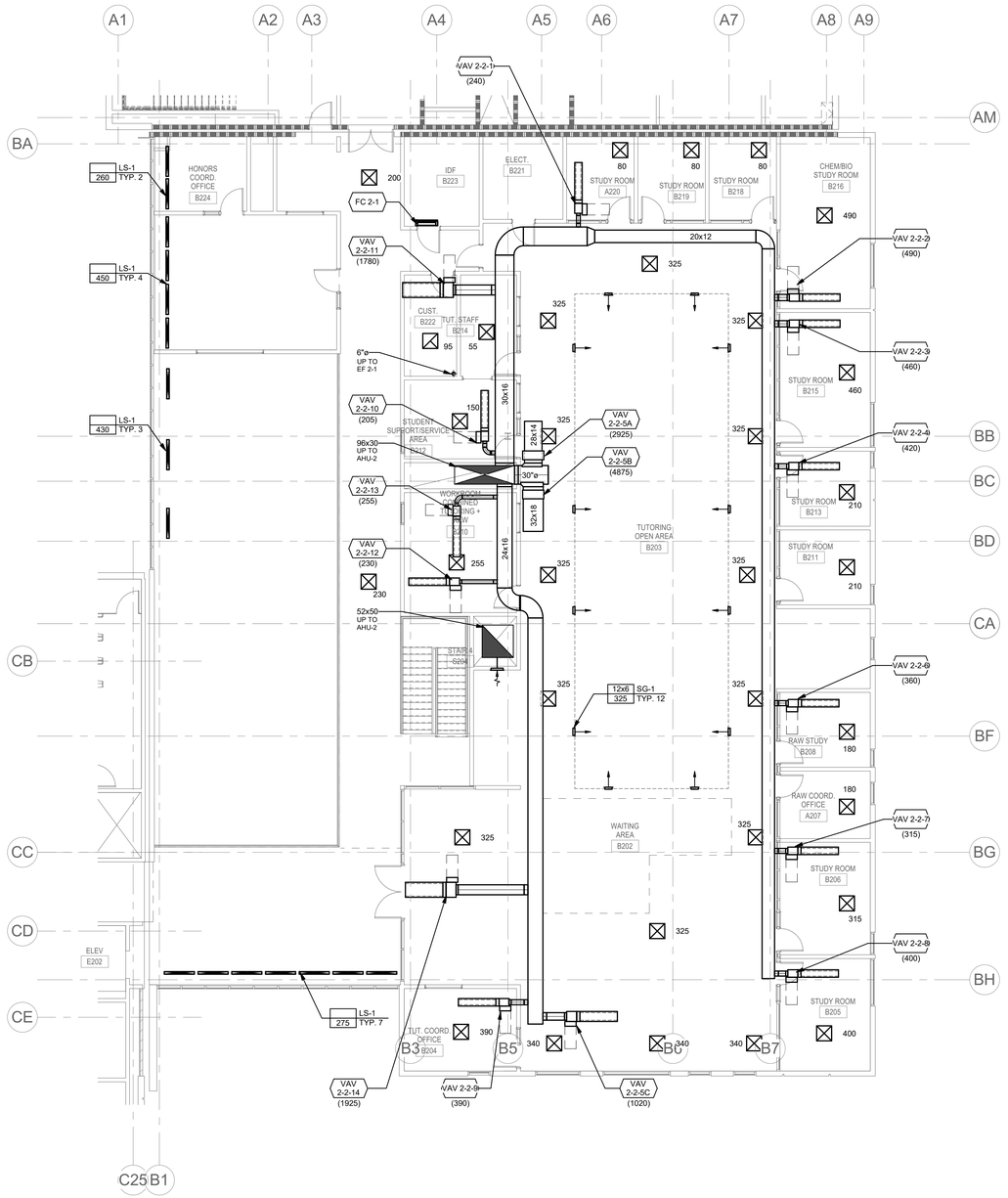
PROJECT NO: 863-0004
DATE: 11-07-19

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

M2.21

DESIGN DEVELOPMENT SET



1 2ND FLOOR - SECTOR 2 - FLOOR PLAN

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. MANGAL OF CALIFORNIA

PRELIMINARY

2ND FLOOR - SECTOR 2 - FLOOR PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

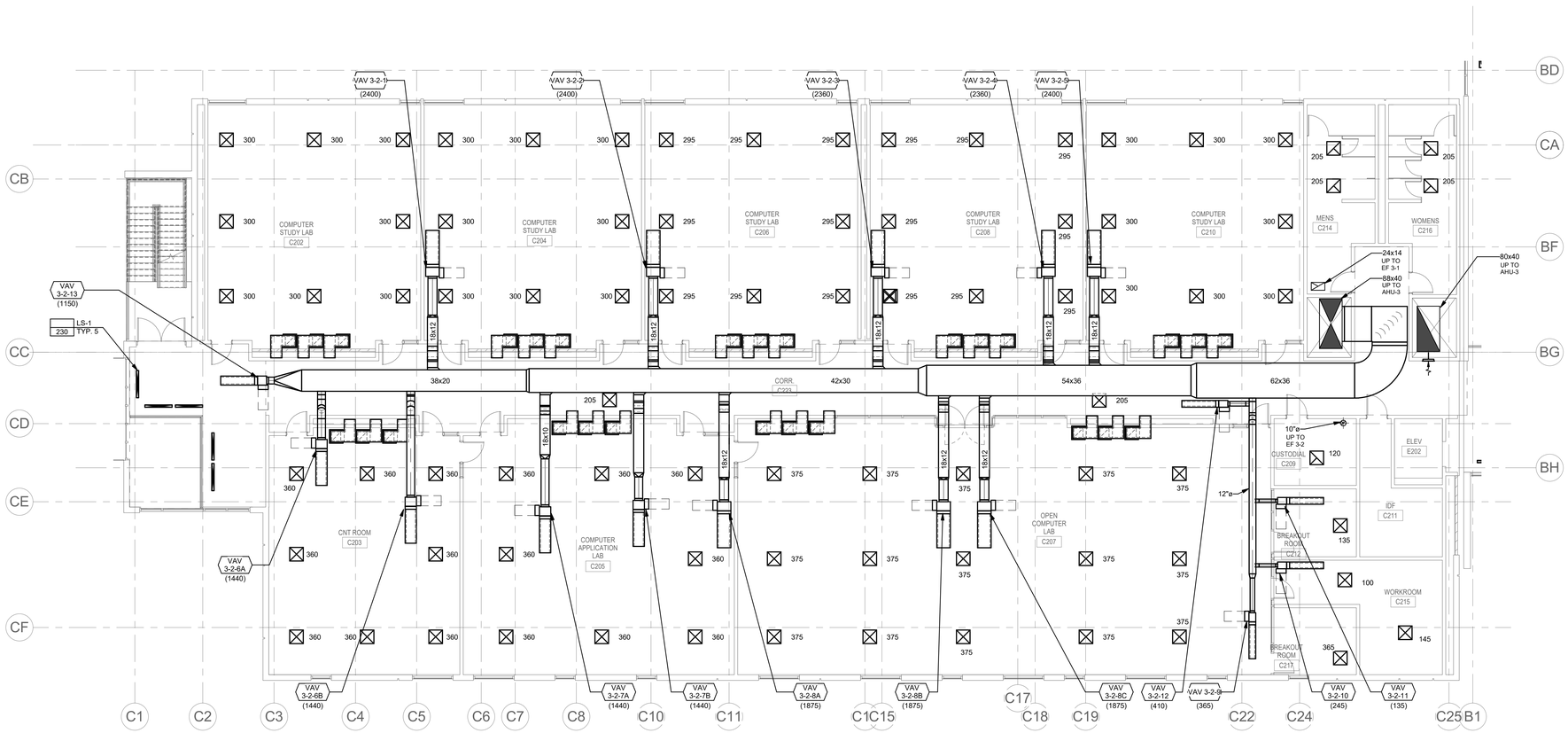
INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

M2.22

DESIGN DEVELOPMENT SET



1 2ND FLOOR - SECTOR 3 - FLOOR PLAN

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

2ND FLOOR - SECTOR 3 - FLOOR PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

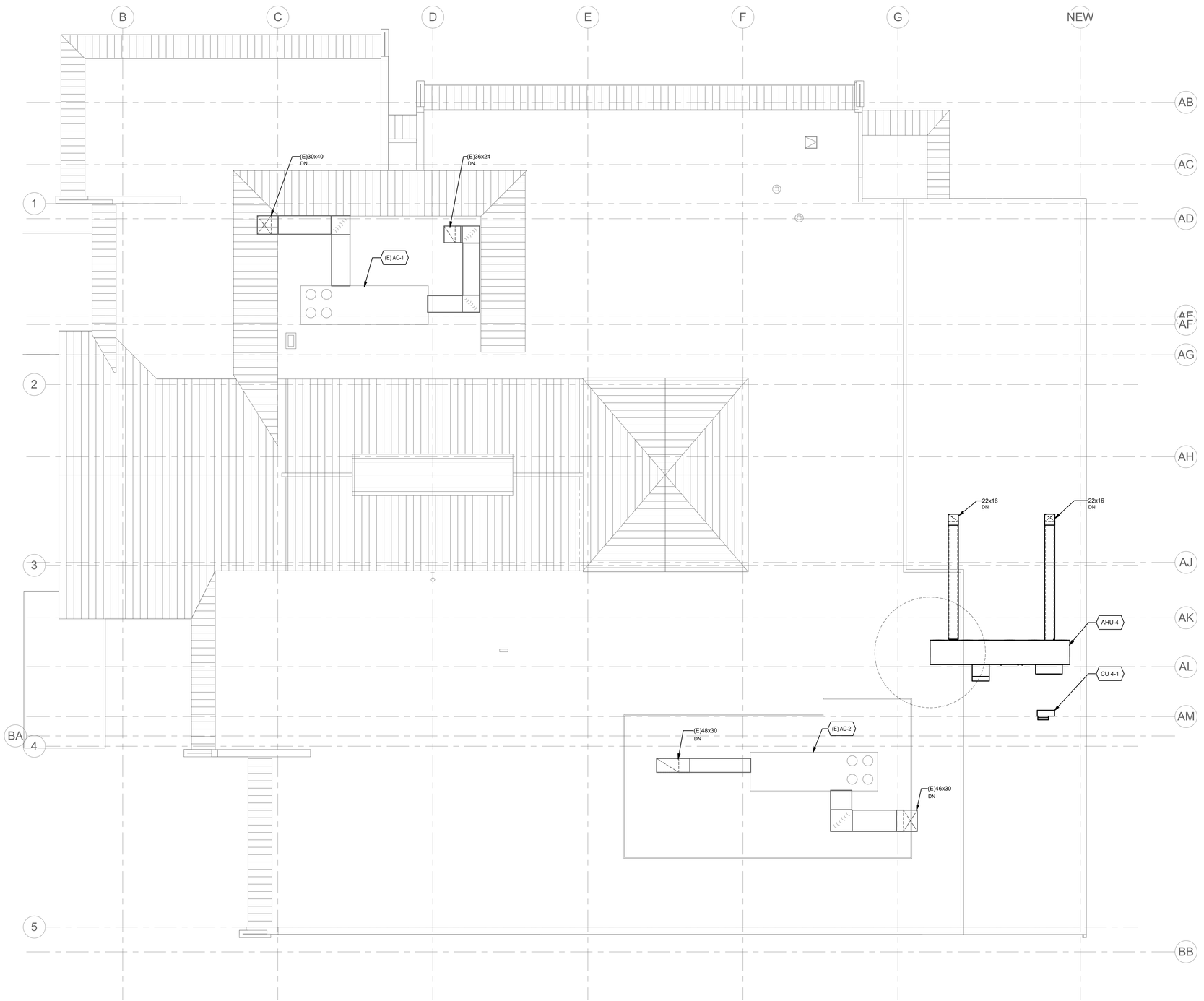
INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

M2.23

DESIGN DEVELOPMENT SET



1 2ND FLOOR - SECTOR 4 - ROOF PLAN

0' 4' 8' 16'
1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

2ND FLOOR - SECTOR 4 - ROOF PLAN

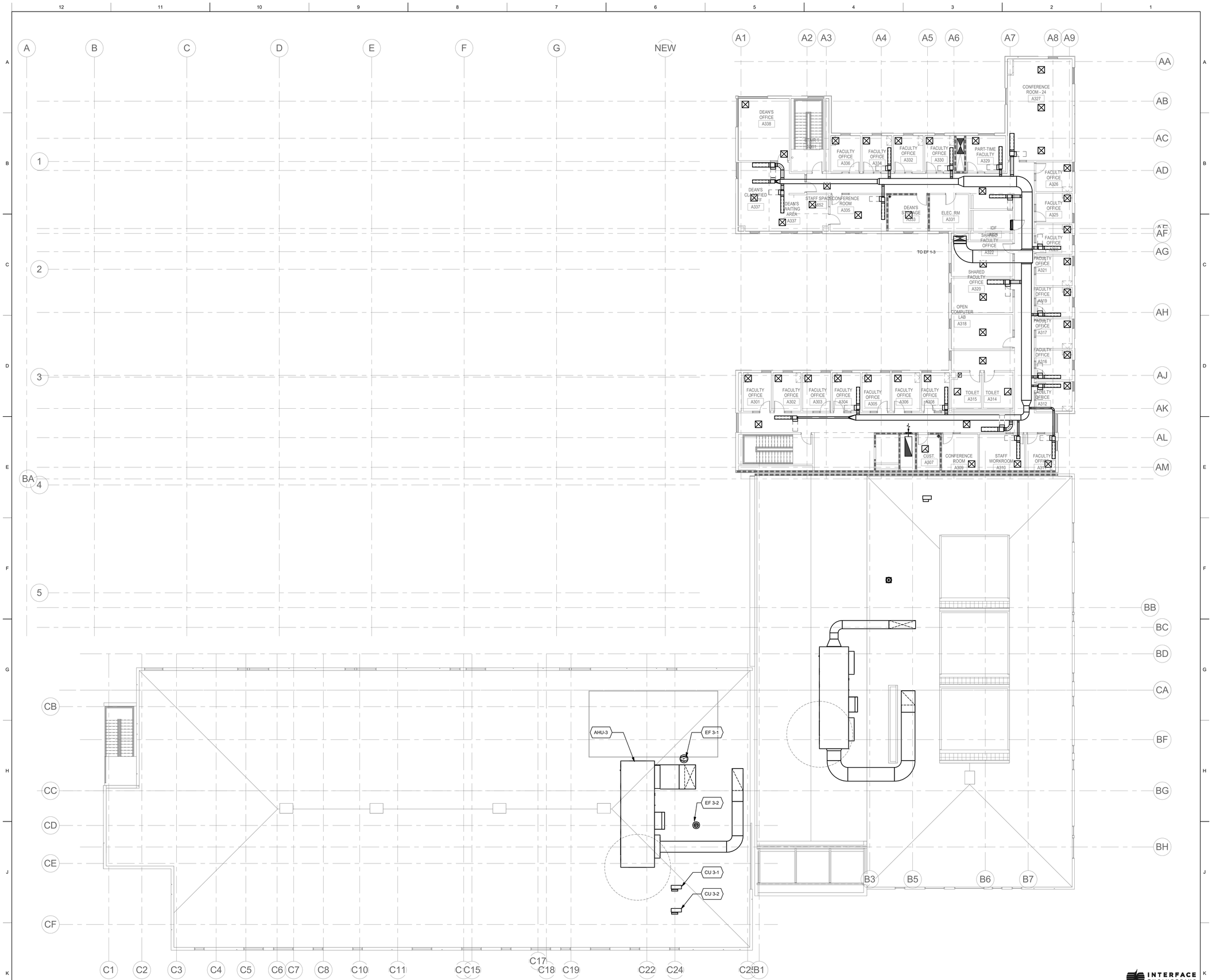
PROJECT NO: 863-0004
DATE: 11-07-19

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

M2.24

DESIGN DEVELOPMENT SET



1 THIRD FLOOR PLAN - MECHANICAL

0' 8' 16' 24'

3/32" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE M.E. No. 21,913 STATE OF CALIFORNIA

PRELIMINARY

THIRD FLOOR PLAN - MECHANICAL

PROJECT NO: 863-0004

DATE: 11-07-19

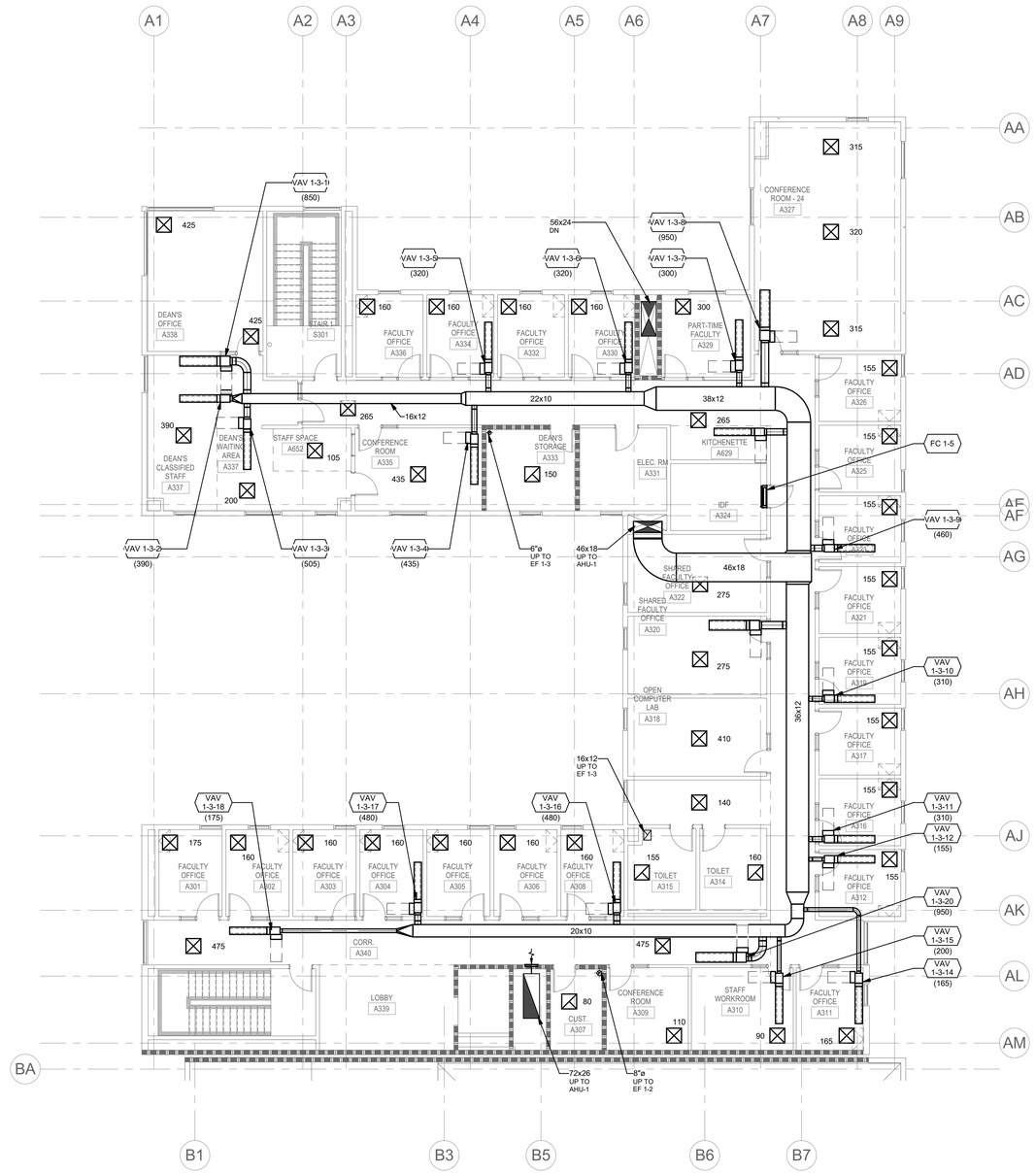
INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

M2.30

DESIGN DEVELOPMENT SET



1 3RD FLOOR - SECTOR 1 - FLOOR PLAN

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

3RD FLOOR - SECTOR 1 - FLOOR PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

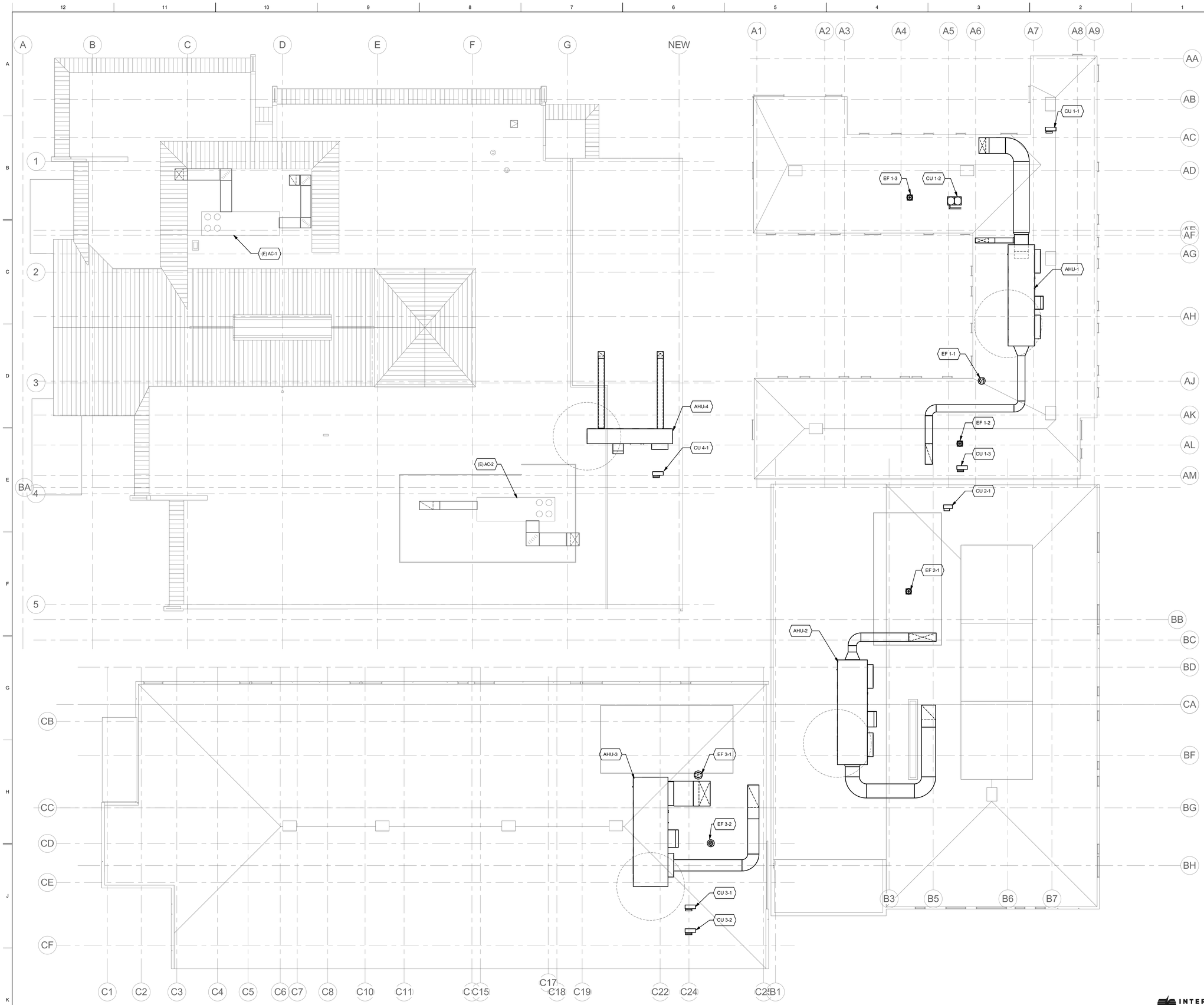
INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

M2.31

DESIGN DEVELOPMENT SET



1 ROOF PLAN - MECHANICAL

0' 8' 16' 24'

3/32" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

ROOF PLAN - MECHANICAL

PROJECT NO: 863-0004

DATE: 11-07-19

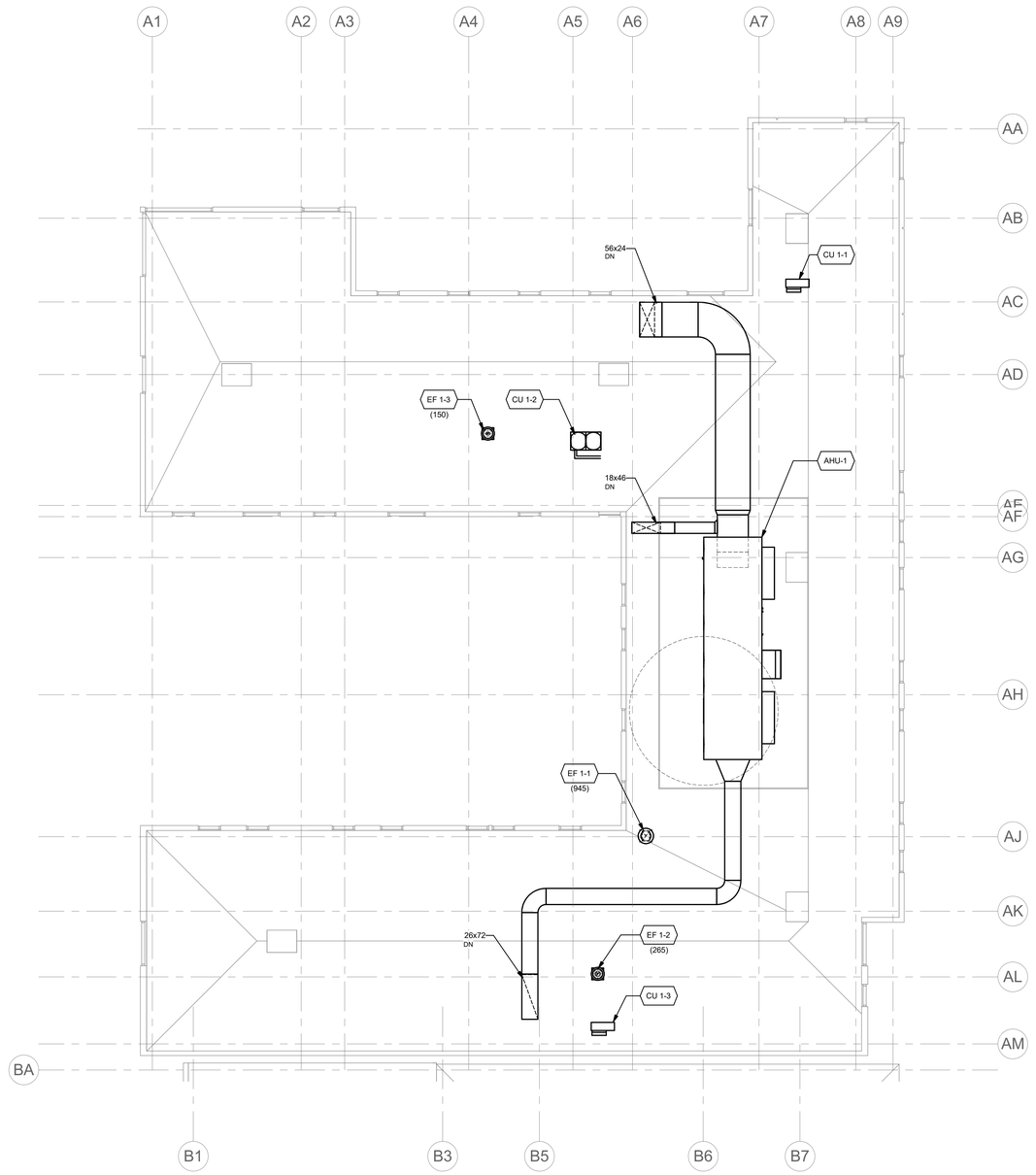
INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

M2.40

DESIGN DEVELOPMENT SET



1 ROOF - SECTOR 1 - ROOF PLAN

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

ROOF - SECTOR 1 - ROOF PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

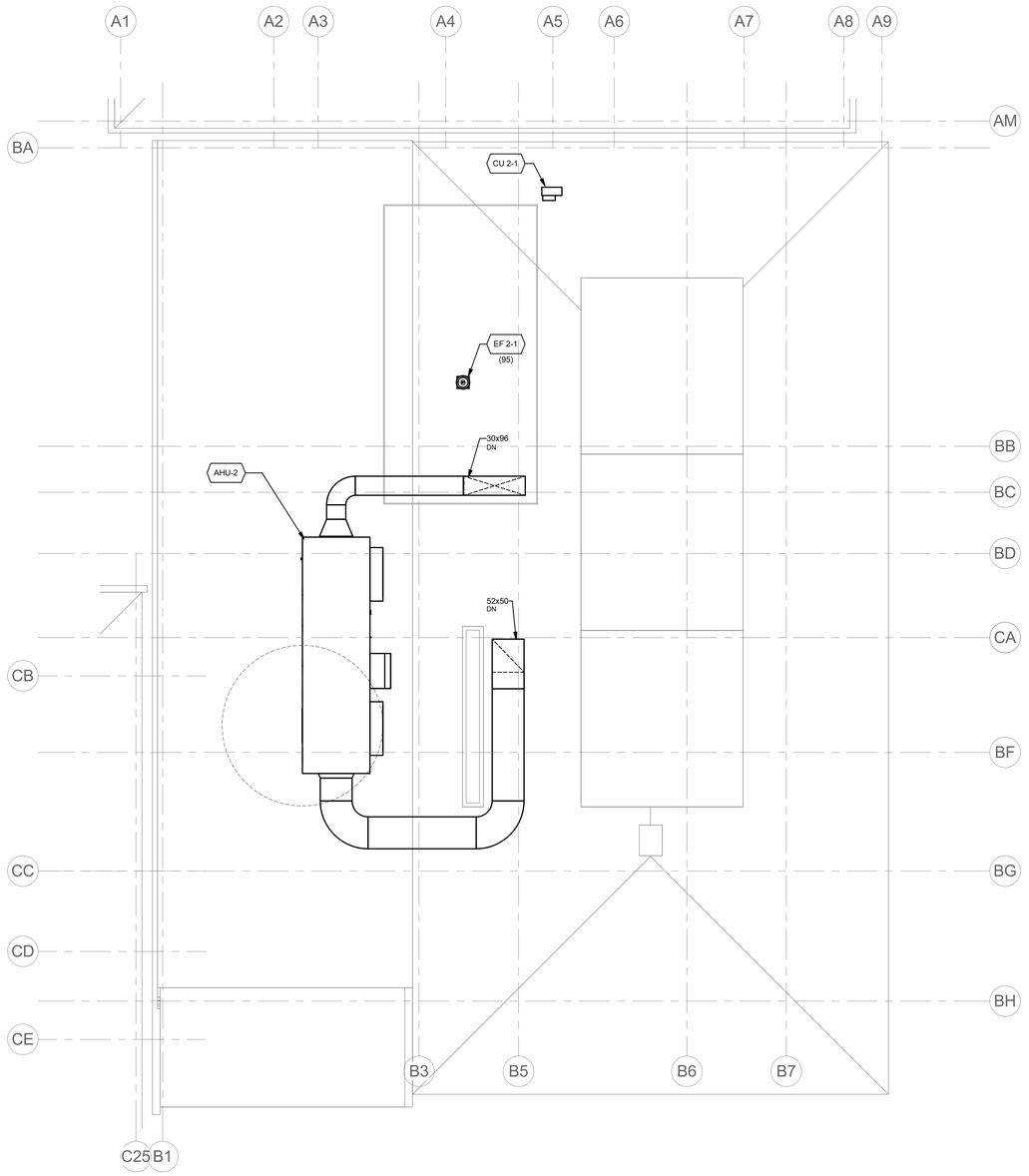
INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

M2.41

DESIGN DEVELOPMENT SET



1 ROOF - SECTOR 2 - ROOF PLAN

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE M.E. No. 21,000 STATE OF CALIFORNIA

PRELIMINARY

ROOF - SECTOR 2 - ROOF PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

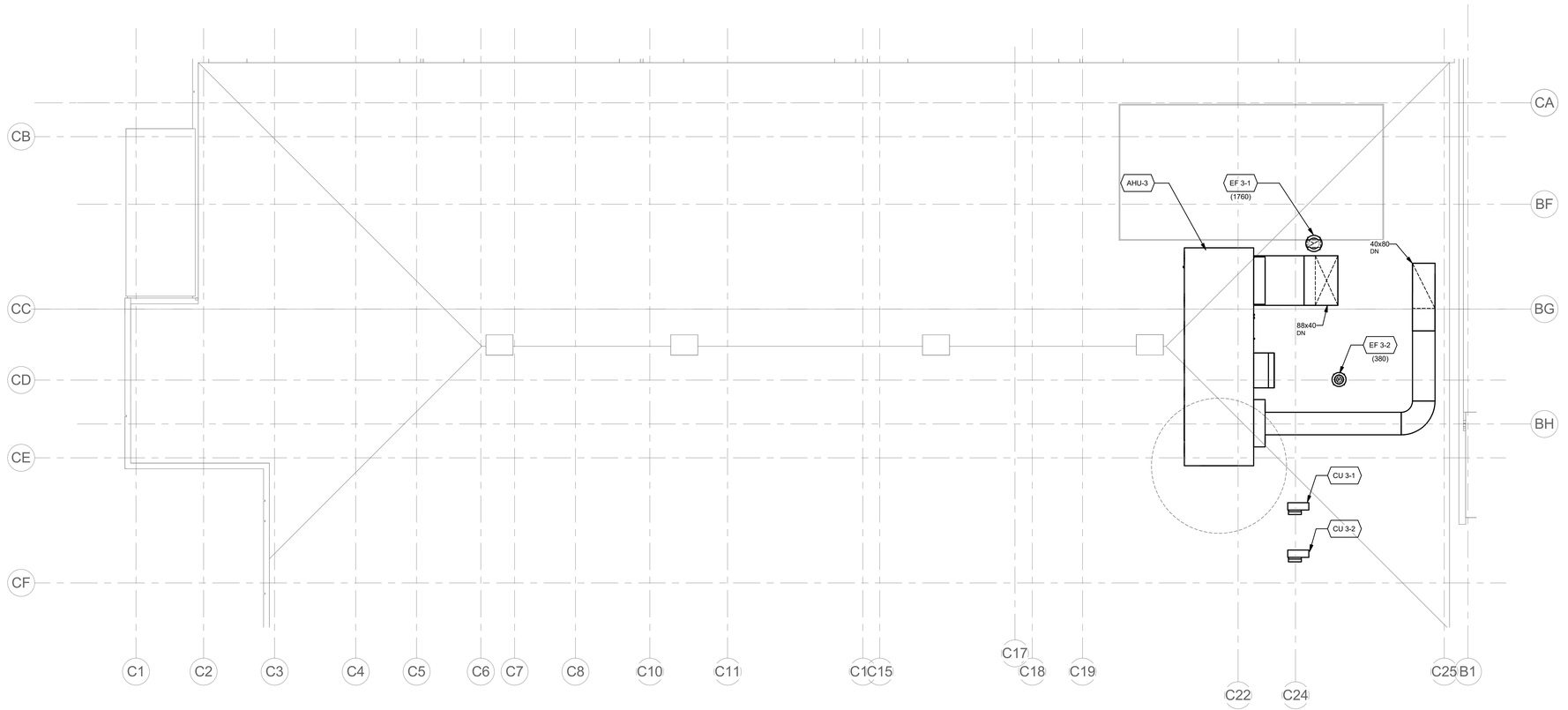
INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

M2.42

DESIGN DEVELOPMENT SET



1 ROOF - SECTOR 3 - ROOF PLAN

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER JAY HO PARK MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

ROOF - SECTOR 3 - ROOF PLAN

PROJECT NO: 863-0004

DATE: 11-07-19

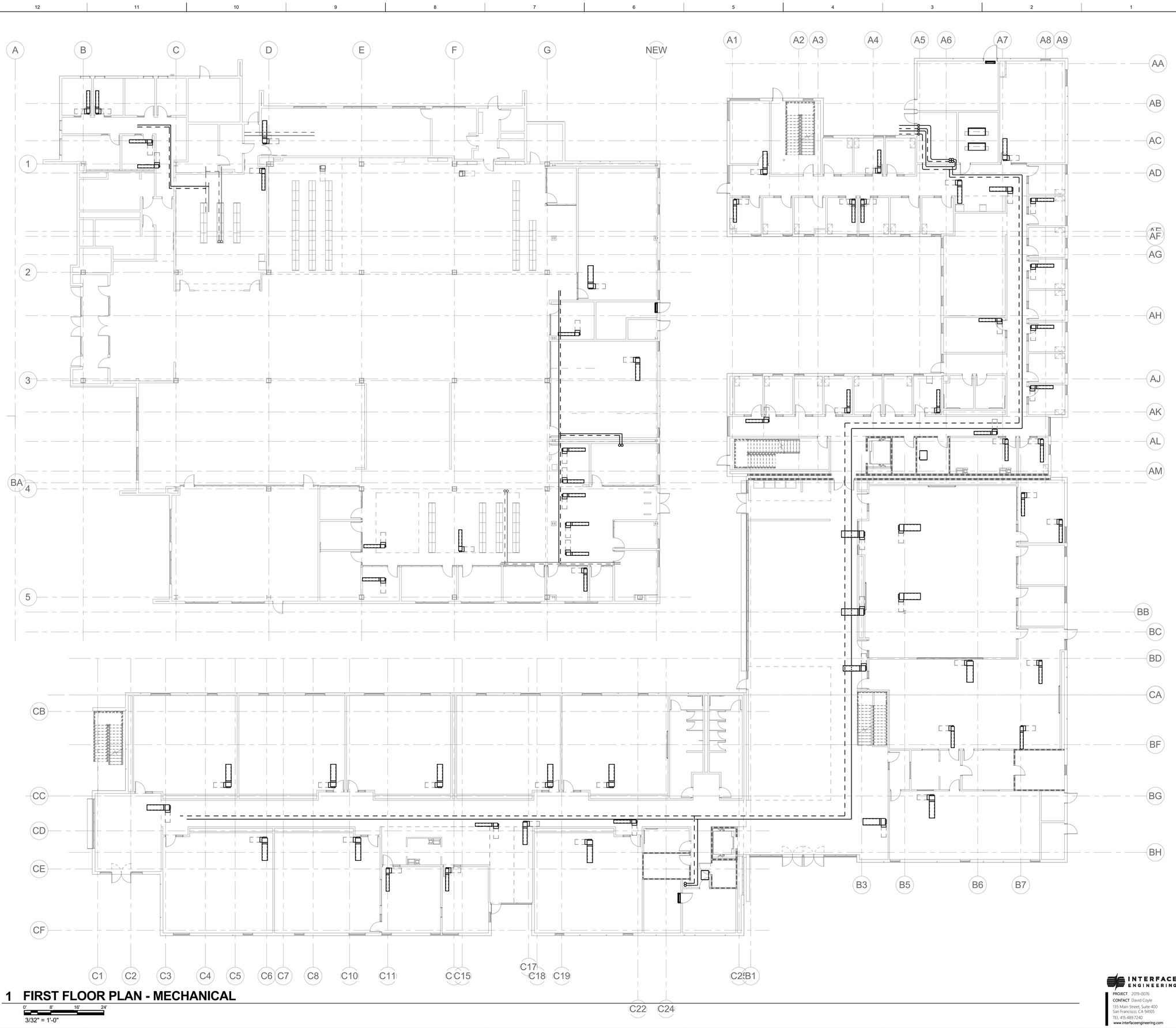
SHEET NO:

M2.43

DESIGN DEVELOPMENT SET

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com



1 FIRST FLOOR PLAN - MECHANICAL

0' 8' 16' 24'

3/32" = 1'-0"

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT David Coyle
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2020.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. COYLE MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

FIRST FLOOR PIPING PLAN - MECHANICAL

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

M3.10

DESIGN DEVELOPMENT SET

PLUMBING SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(A)	ABANDON IN PLACE
AFF	ABOVE FINISHED FLOOR
AP	ACCESS PANEL
AR	ACID-RESISTANT
&	AND
A	AQUASTAT, ARCHITECT, ANCHOR, AMPHERE
@	AT
BFP	BACKFLOW PREVENTER
BV	BALANCING VALVE
BFF	BELOW FINISHED FLOOR
BF	BLIND FLANGE
BTUH	BRITISH THERMAL UNITS PER HOUR
BLDG	BUILDING
CV	CHECK VALVE
CO	CLEANOUT
CW	COLD WATER
CD	CONDENSATE DRAIN
CONT.	CONTINUATION
CFH	CUBIC FEET PER HOUR
CFS	CUBIC FEET PER SECOND
(X)	DEMOLISH
DW	DISHWASHER, DOMESTIC WATER
DET	DOMESTIC EXPANSION TANK
DCVA	DOUBLE CHECK VALVE ASSEMBLY
DN	DOWN
DS	DOWNSPOUT
DSN	DOWNSPOUT NOZZLE
D	DRAIN
DFU	DRAINAGE FIXTURE UNIT
DWV	DRAINAGE, WASTE AND VENT
DF	DRINKING FOUNTAIN
EWC	ELECTRIC WATER COOLER
EWH	ELECTRIC WATER HEATER
ELECT	ELECTRICAL
ESV	ELECTRONIC SOLENOID VALVE
EEW	EMERGENCY EYE WASH
ESH	EMERGENCY SHOWER
(E)	EXISTING
EJ	EXPANSION JOINT
FT	FEET
FPS	FEET PER SECOND
FFE	FINISHED FLOOR ELEVATION
F	FIRE, FAHRENHEIT
FC	FLEXIBLE CONNECTOR
FL	FLOOR
FCO	FLOOR CLEANOUT
FD	FLOOR DRAIN
FS	FLOOR SINK, FLOW SWITCH
FV	FLUSH VALVE
'	FOOT, FEET
(F)	FUTURE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GD	GARBAGE DISPOSER, GARAGE DRAIN
GWH	GAS WATER HEATER
GW	GREASE WASTE
HD	HEAD, HUB DRAIN
HP	HEAT PUMP, HORSE POWER, HOUSEKEEPING PAD
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HZ	HERTZ
HB	HOSE BIBB
HW	HOT WATER
HWFU	HOT WATER FIXTURE UNIT
HWR	HOT WATER RETURN
IN, "	INCHES
IW	INDIRECT WASTE
INV	INVERT ELEVATION
KW	KILOWATT
L	LAVATORY
MW	MAKE-UP WATER
MAX	MAXIMUM
HG	MERCURY
MIN	MINIMUM
MX	MIXING VALVE
MS	MOP SINK
MH	MOUNTING HEIGHT, MANHOLE
(N)	NEW
NPCW	NON-POTABLE COLD WATER
NOP	NORMALLY OPEN
N	NORTH
N/A	NOT APPLICABLE
NIC	NOT IN CONTRACT
NTS	NOT TO SCALE
#	NUMBER
NO.	NUMBER
OD	OVERFLOW DRAIN, OUTSIDE DIAMETER
OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
OFOI	OWNER FURNISHED, OWNER INSTALLED
PH	PHASE
PLBG	PLUMBING
P	PLUMBING, PUMP
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
PD	PRESSURE DROP, PLUMBING DEMOLITION, PUMPED DISCHARGE
PG	PRESSURE GAUGE
PRV	PRESSURE REDUCING VALVE
PS	PRESSURE SWITCH
QTY	QUANTITY
RWL	RAINWATER LEADER
RPBP	REDUCED PRESSURE BACKFLOW PREVENTER
RV	RELIEF VENT, RELIEF VALVE
(R)	RELOCATE / RELOCATED LOCATION
RPM	REVOLUTIONS PER MINUTE
RD	ROOF DRAIN
SAN	SANITARY
SJ	SEISMIC JOINT
SB	SERVICE BOX
SS	SERVICE SINK
SHT	SHEET
SA	SHOCK ARRESTOR
SH	SHOWER
SOV	SHUT OFF VALVE
S, SK	SINK
SF	SQUARE FEET
SD	STORM DRAIN
SP	SUMP PUMP, STATIC PRESSURE
TEMP	TEMPERATURE
T&P	TEMPERATURE AND PRESSURE
T	TEMPERATURE, THERMOMETER
TP	TRAP PRIMER, TOTAL PRESSURE
TD	TRENCH DRAIN
TYP	TYPICAL
U, UR	URINAL
V	VACUUM, VENT, VOLT
VFD	VARIABLE FREQUENCY DRIVE
VS	VENT STACK
VTR	VENT THRU ROOF
WCO	WALL CLEANOUT
WB	WASHER BOX
W	WASTE
WS	WASTE STACK
WC	WATER COLUMN
WC	WATER COLUMN, WATER CLOSET
WHA	WATER HAMMER ARRESTOR
WH	WATER HEATER, WALL HYDRANT
WSFU	WATER SUPPLY FIXTURE UNIT
W/	WITH

Control Symbols

- AI — ANALOG INPUT TO DDC PANEL
- AO — ANALOG OUTPUT FROM DDC PANEL
- DP — DIFFERENTIAL PRESSURE SENSOR
- DI CT — DIGITAL INPUT CURRENT TRANSFORMER
- DI — DIGITAL INPUT TO DDC PANEL
- DO — DIGITAL OUTPUT FROM DDC PANEL
- DO S/S — DIGITAL OUTPUT START/STOP SIGNAL
- FM — FLOW METER
- T E — LINE VOLTAGE THERMOSTAT

General

- CONTINUATION
- X / X — DETAIL NUMBER AND SHEET LOCATION
- XX-X / LOCATION — EQUIPMENT IDENTIFICATION
- EXTENT OF DEMOLITION
- X — FIXTURE TAG (LEVEL BELOW FIXTURE)
- XX — FOOD SERVICE EQUIPMENT / CALCULATION TAG
- X — KEYED NOTE
- PIPE BELOW GRADE
- POINT OF CONNECTION
- A / XXX — SECTION NUMBER AND SHEET LOCATION
- DEMOLISH
- EXISTING WORK
- NEW WORK
- PIPE OR CONDUIT BELOW GRADE

Piping Fittings

- AP — ACCESS PANEL
- AQUASTAT
- AD — AREA DRAIN
- BLIND FLANGE
- CAP
- COTG — CLEANOUT TO GRADE
- CONCENTRIC REDUCER
- DSN — DOWNSPOUT NOZZLE
- ECCENTRIC REDUCER
- EXPANSION JOINT
- FLEXIBLE CONNECTION
- FCO — FLOOR CLEANOUT
- FD — FLOOR DRAIN
- FS — FLOOR SINK
- FLOW DIRECTION
- FLOW SWITCH
- HOSE BIBB / WALL HYDRANT
- HD — HUB DRAIN
- M — METER
- OD — OVERFLOW ROOF DRAIN

- PEX — PEX MANIFOLD
- PIPE DROP
- PIPE RISE
- PRESSURE GAUGE WITH COCK
- PUMP
- RD — ROOF DRAIN
- SHOCK ABSORBER / WATER HAMMER ARRESTOR
- STRAINER
- T&P RELIEF VALVE WITH PIPE TO DRAIN
- TEE DOWN ON PIPE
- TEE UP ON PIPE
- TEMPERATURE SENSOR
- TEST PORT
- THERMOMETER
- TP — TRAP PRIMER MANIFOLD
- TRENCH DRAIN
- UNION
- VACUUM RELIEF
- VTR — VENT THROUGH ROOF
- WCO — WALL CLEANOUT

Piping Systems

- 140°HW — 140%%d HOT WATER PIPING
- 140°HWR — 140%%d HOT WATER RETURN PIPING
- AV — ACID RESISTANT VENT PIPING
- AW — ACID RESISTANT WASTE ABOVE GRADE
- AW — ACID RESISTANT WASTE BELOW GRADE
- COLD WATER PIPING
- CA — COMPRESSED AIR PIPING
- D — CONDENSATE / INDIRECT DRAIN PIPING
- DIR — DE-IONIZED WATER RETURN
- DIS — DE-IONIZED WATER SUPPLY
- DI — DISTILLED WATER
- F — FIRE PROTECTION PIPING
- GV — GAS VENT PIPING
- GW — GREASE WASTE ABOVE GRADE OR FINISHED FLOOR
- GW — GREASE WASTE BELOW GRADE OR FINISHED FLOOR
- HOT WATER PIPING
- HOT WATER RETURN PIPING
- IR — IRRIGATION
- 2#G — NATURAL GAS PIPING, 2 LB
- G — NATURAL GAS PIPING, 7" WC PRESSURE
- NP — NON-POTABLE COLD WATER PIPING
- NP — NON-POTABLE HOT WATER PIPING
- OD — OVERFLOW DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR
- PD — PUMPED DISCHARGE
- R/O — REVERSE OSMOSIS WATER
- SANITARY VENT PIPING
- SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED FLOOR
- SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR
- SHW — SOLAR HOT WATER
- SHWR — SOLAR HOT WATER RETURN
- SD — STORM DRAIN PIPING ABOVE GRADE OR FINISHED FLOOR
- SD — STORM DRAIN PIPING BELOW GRADE OR FINISHED FLOOR
- TW — TEMPERED WATER PIPING
- TP — TRAP PRIMER PIPING

Valves

- BFP — BACKFLOW PREVENTER
- BACKWATER VALVE
- BALANCING VALVE / X GPM
- CHECK VALVE
- EARTHQUAKE GAS VALVE
- ELECTRONIC SOLENOID VALVE
- GLOBE VALVE
- HOSE END DRAIN VALVE
- NATURAL GAS PIPING CONNECTION ASSEMBLY
- PRESSURE REDUCING VALVE
- SHUTOFF VALVE, GENERAL

GENERAL PLUMBING NOTES

A. ALL WORK UNDER THIS CONTRACT SHALL CONFORM TO THE CURRENT STATE, COUNTY AND NATIONAL CODES AND STANDARDS ADOPTED BY THE LOCAL JURISDICTIONS INCLUDING APPLICABLE AMENDMENTS.

B. CONDITIONS SHOW ON THE PLANS RELATIVE TO THE WORK TO BE PERFORMED ARE BASED ON THE BEST INFORMATION AVAILABLE AND SUBJECT TO VERIFICATION. VERIFY LOCATIONS AND ELEVATIONS OF UTILITIES TO BE CROSSED OR CONNECTED. CORRECT DEFICIENCIES CAUSED BY FAILURE TO PERFORM SUCH VERIFICATIONS AT NO EXPENSE TO OWNER. IMMEDIATELY NOTIFY ARCHITECT AND ENGINEER OF CONDITION IN CONFLICT WITH THE DETAILS/PLANS.

C. COORDINATE INSTALLATION OF PIPING, FIXTURES, EQUIPMENT AND THE LIKE BELOW AND ABOVE GRADE WITH STRUCTURAL COMPONENTS AND OTHER SYSTEMS INSTALLATION.

D. COORDINATE FIXTURES, EQUIPMENT, PIPE ROUGH-IN/CONNECTION LOCATIONS AND DRAIN LOCATIONS WITH ARCHITECTURAL DRAWINGS.

E. VALVES FOR SERVICE ACCESSIBILITY. VALVES INSTALLED ABOVE CEILING SHALL BE WITHIN 18" OF CEILING.

F. ALL WASTE PIPE TO SLOPE MINIMUM OF 1/4" PER FOOT.

G. PROVIDE WATER HAMMER ARRESTERS TO DOMESTIC WATER LINES SERVING QUICK ACTING VALVES SUCH AS THE FOLLOWING:
1. FLUSH VALVES.
2. SOLENOID VALVES TO ICEMAKERS AND DISHWASHER.
3. SENSOR FAUCETS.
4. ANGLE HANDLE FAUCETS.
5. SINGLE HANDLE SHOWER VALVES.
6. SINGLE HANDLE TUB.SHOWER VALVES.

H. EXCEPT FOR SHOWER DRAINS, ALL FLOOR DRAINS, FLOOR SINKS, AND OTHER INDIRECT WASTE RECEPTORS DIRECTLY CONNECTED TO THE DRAINAGE SYSTEM SHALL BE PROVIDED WITH AN AUTOMATIC TRAP PRIMER.

I. PERMANENT VACUUM BREAKERS SHALL BE INCLUDED IN ALL HOSE BIBS.

J. INSTALLATION OF THE DOMESTIC HOT WATER SYSTEM SHALL COMPLY WITH THE MANDATORY REQUIREMENTS OF SECTION 1103.3 OF THE CALIFORNIA BUILDING ENERGY EFFICIENCY STANDARDS.

K. DRAINAGE PIPING SERVING FIXTURES THAT ARE LOCATED BELOW THE ELEVATION OF THE NEXT UPSTREAM MANHOLE SHALL BE PROVIDED WITH A BACKWATER VALVE. FIXTURES ABOVE THAT LEVEL SHALL NOT DISCHARGE THROUGH THIS VALVE.

L. SEWER VENTS SHALL TERMINATE AT LEAST 10 FEET HORIZONTALLY (25 FEET FOR OSHPD PROJECTS) FROM AND AT LEAST 3 FEET ABOVE OPERABLE WINDOW, DOOR OPENING, AIR INTAKE OR VENT SHAFT. VENT MUST BE AT LEAST 3 FEET FROM PROPERTY LINE.

M. PRIOR TO BEING CONCEALED, PIPING PENETRATIONS AT THE FIRE RESISTIVE ASSEMBLIES SHALL BE INSPECTED TO VERIFY COMPLIANCE WITH THE FIRE RESISTANCE RATING.

N. INDIRECT WASTE SHALL DISCHARGE TO THE BUILDING DRAINAGE THROUGH AN APPROVED AIR GAP OR AIR BREAK WITH A MINIMUM 1" DISTANCE FROM THE LOWEST POINT OF INDIRECT PIPE TO THE FLOOD LEVEL RIM OF THE RECEPTOR.

GENERAL SEISMIC BRACING

A. CONTRACTOR TO PROVIDE COMPLETE SEISMIC ANCHORAGE AND BRACING FOR ALL PLUMBING EQUIPMENT WEIGHING 400 POUNDS OR GREATER THAT IS DIRECTLY MOUNTED ON THE FLOOR OR ROOF AND ALL MECHANICAL EQUIPMENT WEIGHING OVER 20 POUNDS OR 5 POUNDS/FT THAT IS SUSPENDED FROM THE FLOOR, WALL OR SUPPORTED BY VIBRATION ISOLATORS TO RESIST A HORIZONTAL FORCE ACTING IN ANY DIRECTION USING THE CRITERIA OUTLINED IN THE 2016 CALIFORNIA BUILDING CODE, ASCE 7-10 CA 13, #13.1.4. CONSIDER THE AFFECT OF TEMPERATURE CHANGE IN PREPARATION OF ANCHORAGE AND BRACING DETAILS. PROVIDE ANCHORAGE CALCULATIONS AND DETAILS CERTIFIED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF CALIFORNIA. (FOR NON-OSHPD PROJECTS ONLY).

B. PIPING SHALL BE SUPPORTED AND BRACED WITH ONE OF THE FOLLOWING SEISMIC RESTRAINT SYSTEMS:
1. THE B-LINE/TOLCO SEISMIC BRACING AND SUPPORT SYSTEM.
2. MASON SEISMIC RESTRAINT GUIDELINES FOR MECHANICAL SYSTEMS AND PLUMBING SYSTEMS.
3. THE SUPERSTRUT SEISMIC RESTRAINT SYSTEM.
4. ISAT SEISMIC RESTRAINT SYSTEM.
5. SMACNA GUIDELINES OF THE SEISMIC RESTRAINT OF MECHANICAL SYSTEMS AND PLUMBING SYSTEMS.

C. CALCULATIONS AND DRAWINGS SHALL BE SUBMITTED FOR PIPING SUPPORTS AND BRACING SHOWING:
1. LOCATION OF SEISMIC BRACING.
2. REACTION FORCES TO THE SUPPORTING STRUCTURE.
3. MANUFACTURER'S DESIGNATION OF SUPPORT DEVICES.

D. SEISMIC BRACING POINTS SHALL BE SUBMITTED ON CONTRACTOR'S COORDINATED SHOP DRAWINGS.

E. BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13-3 AS DEFINED IN ASCE 7-10 SECTION 13.6.8, 13.6.7, 13.6.5 AND CBC SECTIONS 1615A1.20, 1615A1.21 AND 1615A1.22.

F. THE BRACING AND ATTACHMENTS TO THE STRUCTURE SHALL BE DETAILED ON THE APPROVED DRAWINGS.

SHEET INDEX

P2.31 3RD FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING

P0.01 SYMBOL LIST AND GENERAL NOTES - PLUMBING
P0.02 SCHEDULES - PLUMBING

P2.11 1ST FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING
P2.12 1ST FLOOR - SECTOR 2 - FLOOR PLAN - PLUMBING
P2.13 1ST FLOOR - SECTOR 3 - FLOOR PLAN - PLUMBING
P2.14 1ST FLOOR - SECTOR 4 - FLOOR PLAN - PLUMBING
P2.21 2ND FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING
P2.22 2ND FLOOR - SECTOR 2 - FLOOR PLAN - PLUMBING
P2.23 2ND FLOOR - SECTOR 3 - FLOOR PLAN - PLUMBING
P2.41 ROOF - SECTOR 1 - ROOF PLAN - PLUMBING
P2.42 ROOF - SECTOR 2 - ROOF PLAN - PLUMBING
P2.43 ROOF - SECTOR 3 - ROOF PLAN - PLUMBING

P6.01 DETAILS - PLUMBING

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. MEYER MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

SYMBOL LIST AND GENERAL NOTES - PLUMBING

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

P0.01

DESIGN DEVELOPMENT SET

PLUMBING FIXTURE SCHEDULE

SYMBOL	FIXTURE TYPE	DESCRIPTION	BASIS OF DESIGN			CONNECTION				NOTES
			MFR	MODEL	ACCESSORIES	W	V	CW	HW	
DF-1	DRINKING FOUNTAIN (ACCESSIBLE)	HIGH-LOW, WITH CHILLER AND BOTTLE FILLER				2"	2"	1/2"	1/2"	
KSK-1	KITCHEN SINK (ACCESSIBLE)	STAINLESS STEEL, SELF RIMMING			FAUCET: 1.5 GPM, SINGLE LEVER	2"	2"	1/2"	1/2"	
L-1	LAVATORY (ACCESSIBLE)	WALL HUNG, VITREOUS CHINA			FAUCET: 0.5 GPM, SENSOR OPERATED, BATTERY POWERED	2"	2"	1/2"	1/2"	
L-2	LAVATORY					2"	2"	1/2"	1/2"	
MS-1	MOP SINK	FLOOR MOUNTED, ENAMELED CAST IRON			FAUCET: SERVICE SINK FAUCET, HOSE CONNECTION WITH INTEGRAL VACUUM BREAKER AND CHECKS	3"	2"	1/2"	1/2"	
U-1	URINAL (ACCESSIBLE)	WALL HUNG, VITREOUS CHINA, HYBRID WATERLESS				2"	2"	1"		
WC-1	WATER CLOSET	FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD			FLUSH VALVE: SLOAN SOLIS, 1.28 GPF, SENSOR OPERATED, SOLAR POWERED	4"	2"	1"		
WC-2	WATER CLOSET (ACCESSIBLE)	FLOOR MOUNTED, VITREOUS CHINA, ELONGATED BOWL, TOP SPUD, ACCESSIBLE HEIGHT			FLUSH VALVE: SLOAN SOLIS, 1.28 GPF, SENSOR OPERATED, SOLAR POWERED	4"	2"	1"		

WATER HEATER SCHEDULE

SYMBOL	EQUIPMENT TYPE	LOCATION/ SERVING	BASIS OF DESIGN		TANK CAPACITY (GALLONS)	ELECTRICAL				MAX WT (LBS)	NOTES
			MFR	MODEL		VOLTS	PH	AMPS	WATTS		
IWH-1	TANKLESS ELECTRIC WATER HEATER	TOILET ROOM LAVATORY AND BREAK ROOM SINK			0	208	1	40	8310	0	
IWH-2	TANKLESS ELECTRIC WATER HEATER	TOILET ROOM LAVATORY			0	208	1	20	6240	0	
IWH-3	TANKLESS ELECTRIC WATER HEATER	MOP SINK			0	208	1	60	12500	0	

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. [illegible] No. [illegible] CIVIL STATE OF CALIFORNIA

PRELIMINARY

SCHEDULES - PLUMBING

PROJECT NO: 863-0004
DATE: 11-07-19

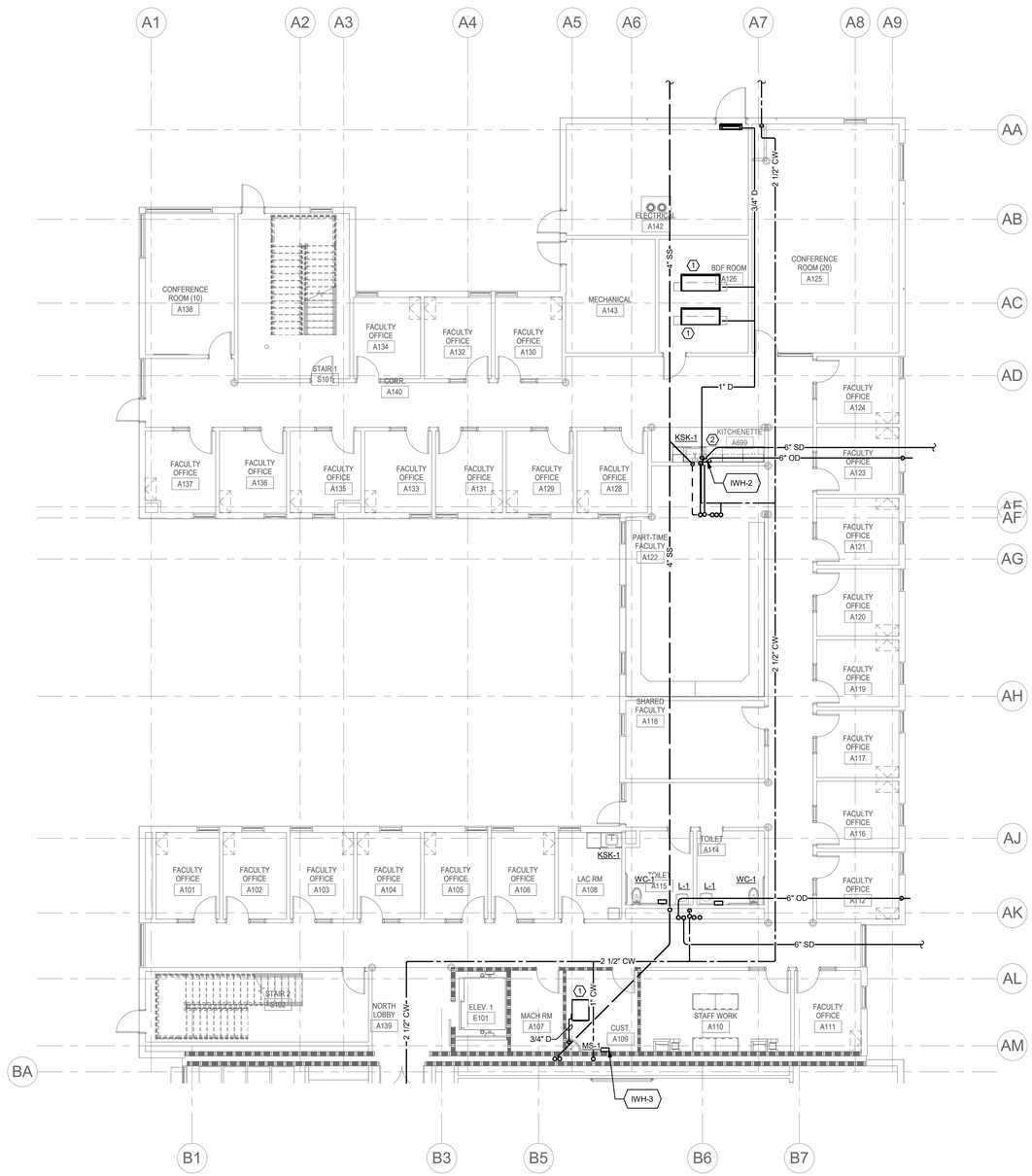
SHEET NO:

P0.02

DESIGN DEVELOPMENT SET

SHEET KEYNOTES

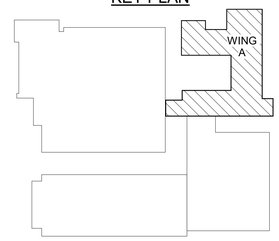
1. MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION.
2. CONDENSATE FROM MECHANICAL UNIT TO DRAIN INTO SINK TAILPIECE.



1 1ST FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING

0' 4' 8' 16'
1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. PRIMAVERA MECHANICAL STATE OF CALIFORNIA
PRELIMINARY

1ST FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING

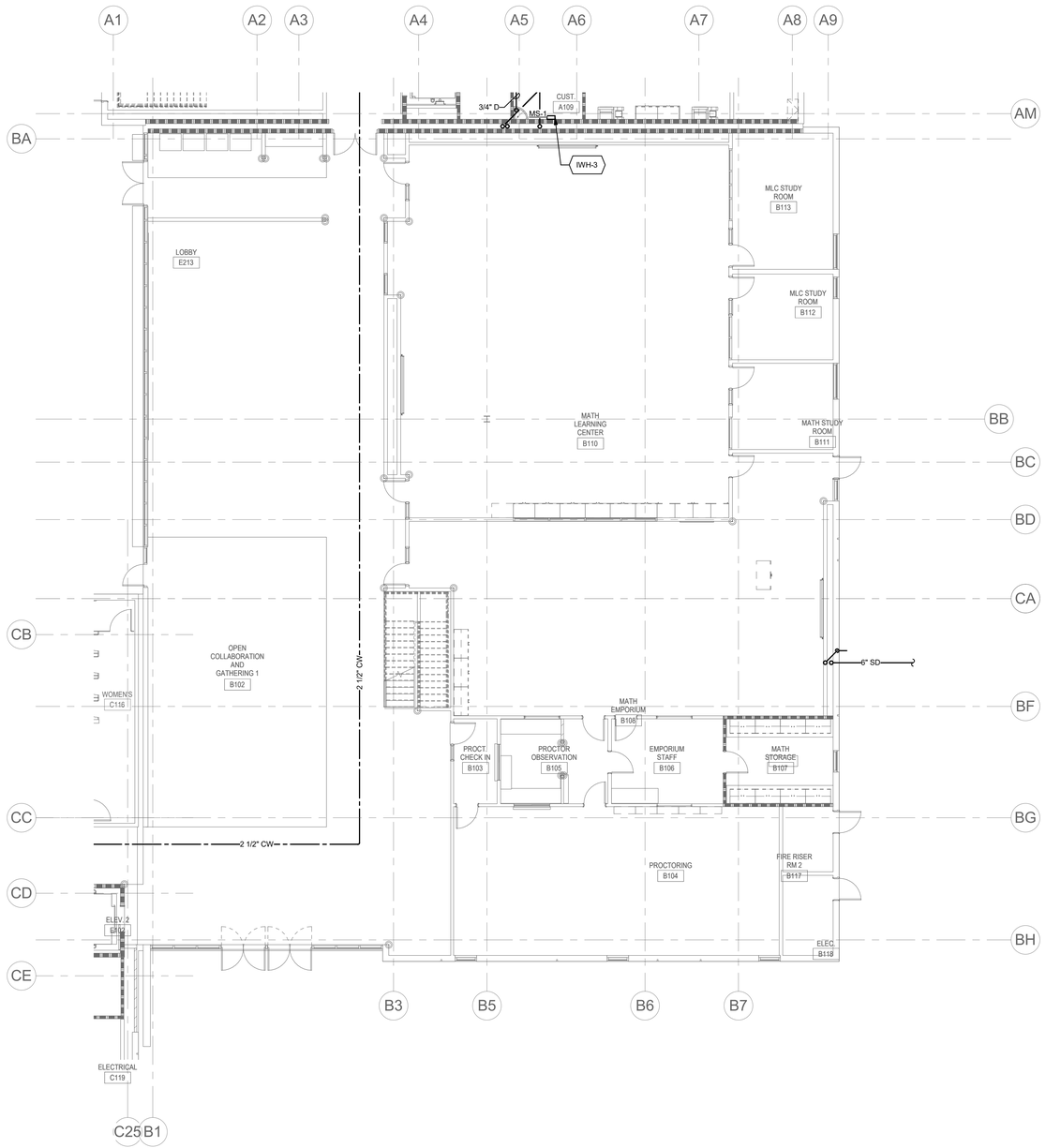
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

P2.11

DESIGN DEVELOPMENT SET

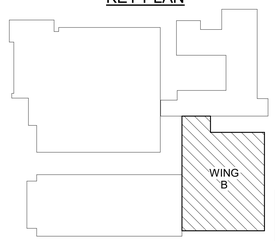


1 1ST FLOOR - SECTOR 2 - FLOOR PLAN - PLUMBING

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. MAGNUSON CIVIL STATE OF CALIFORNIA

PRELIMINARY

1ST FLOOR - SECTOR 2 - FLOOR PLAN - PLUMBING

PROJECT NO: 863-0004

DATE: 11-07-19

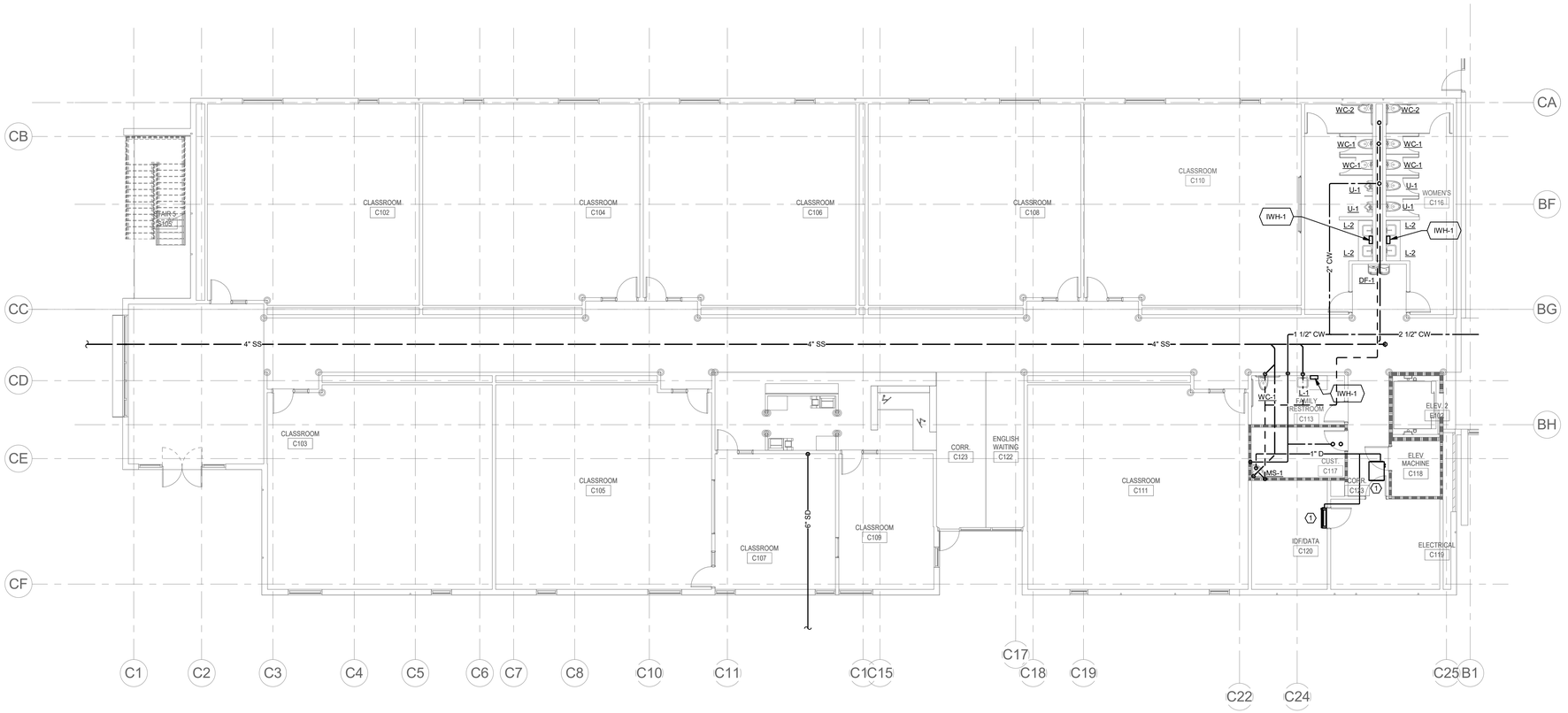
SHEET NO:

P2.12

DESIGN DEVELOPMENT SET

SHEET KEYNOTES

1. MECHANICAL UNIT. REFER TO MECHANICAL DRAWINGS FOR EXACT LOCATION.
2. CONDENSATE FROM MECHANICAL UNIT TO DRAIN INTO SINK TAILPIECE.

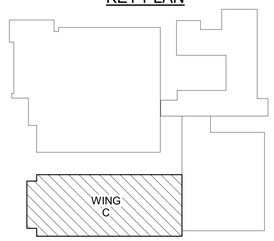


1 1ST FLOOR - SECTOR 3 - FLOOR PLAN - PLUMBING

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATON CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. MAY CIVIL STATE OF CALIFORNIA

PRELIMINARY

1ST FLOOR - SECTOR 3 - FLOOR PLAN - PLUMBING

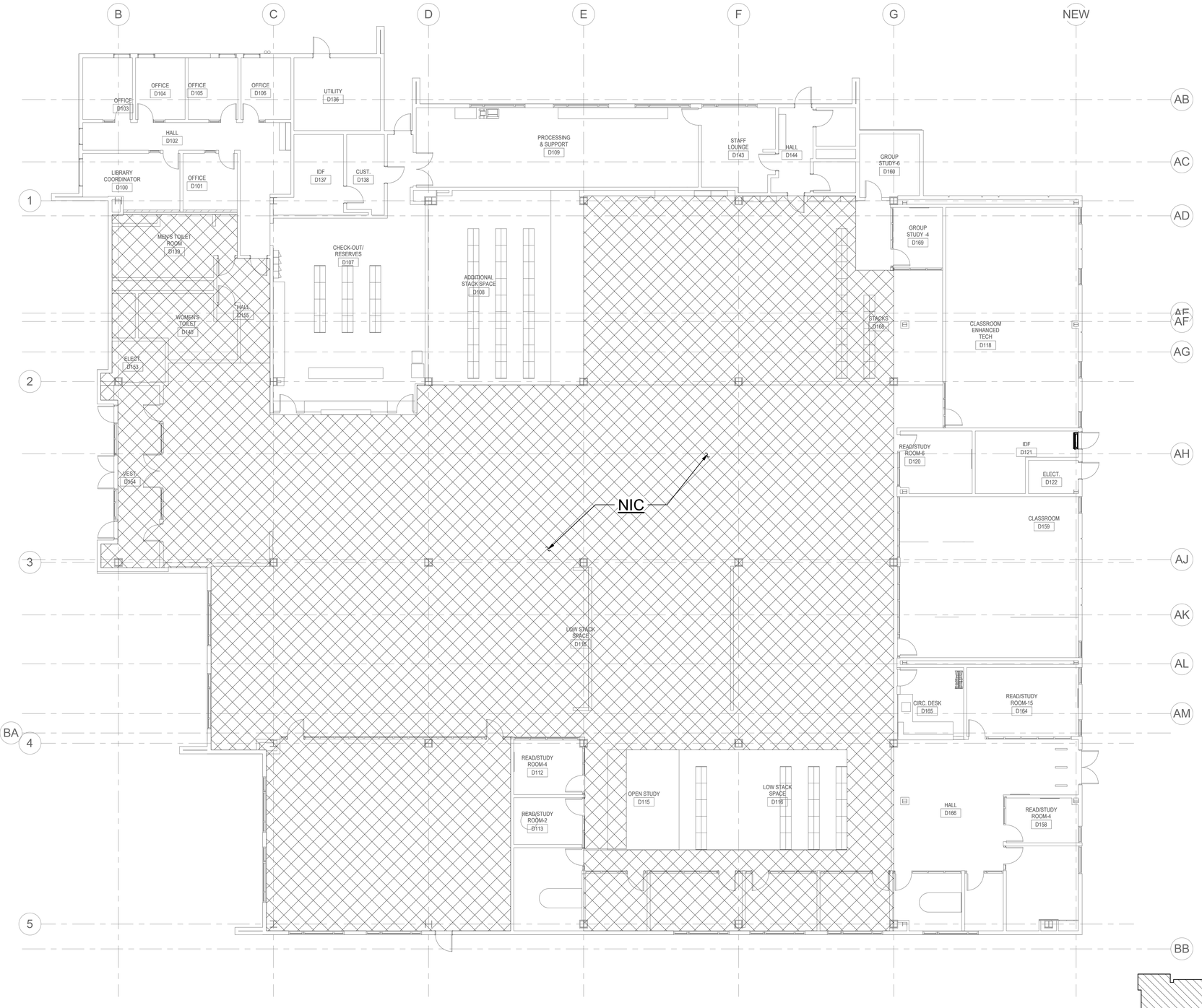
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

P2.13

DESIGN DEVELOPMENT SET

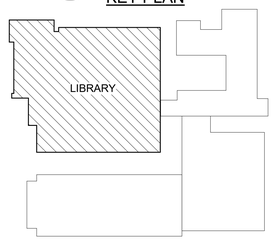


1 1ST FLOOR - SECTOR 4 - FLOOR PLAN - PLUMBING

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICE AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2020.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. TANGAL OF CALIFORNIA

PRELIMINARY

1ST FLOOR - SECTOR 4 - FLOOR PLAN - PLUMBING

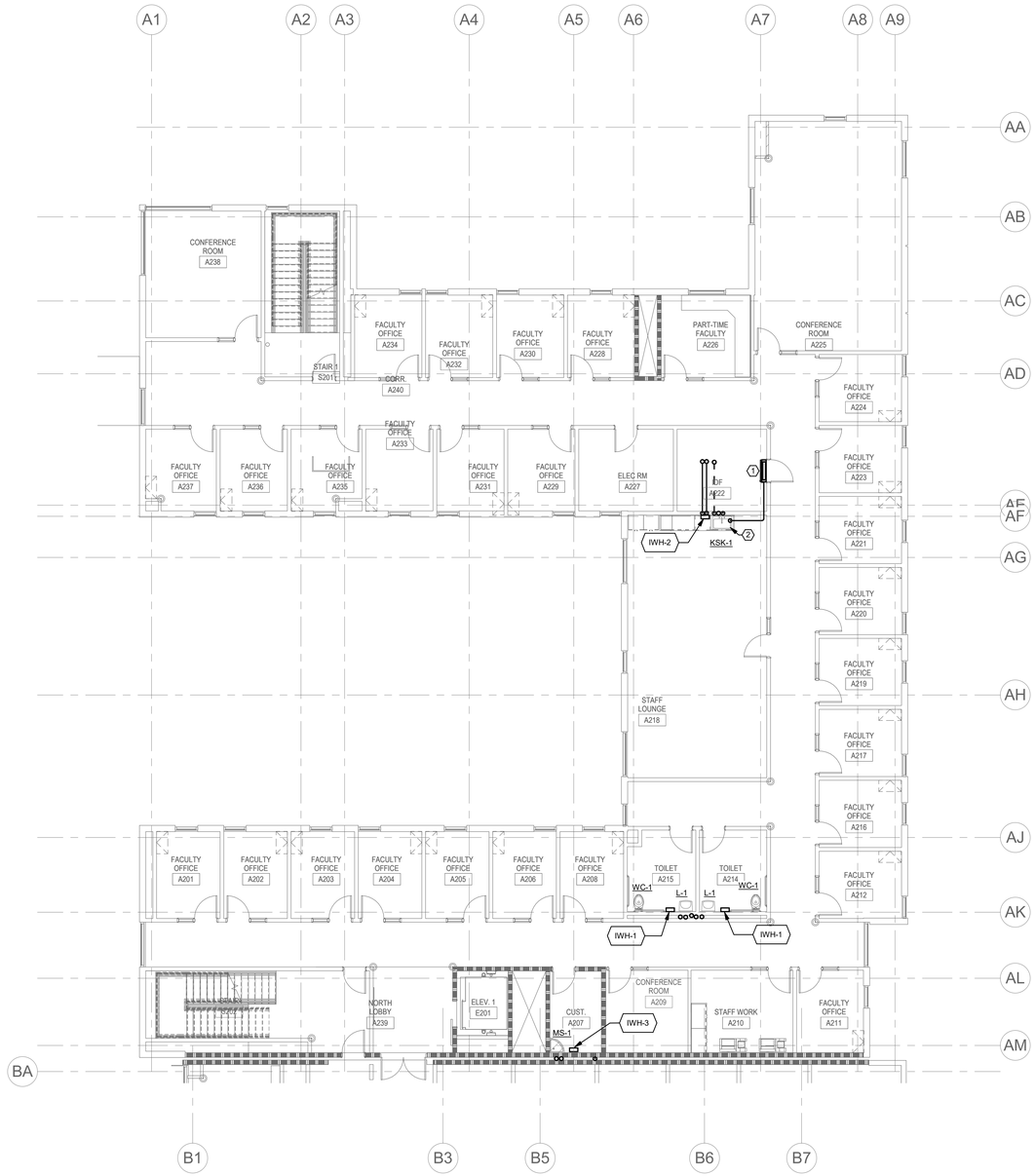
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

P2.14

DESIGN DEVELOPMENT SET

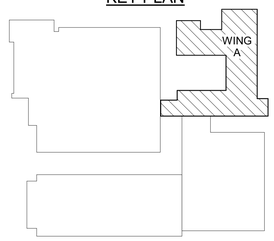


1 2ND FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. DIMARTINO MECHANICAL STATE OF CALIFORNIA

PRELIMINARY

2ND FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING

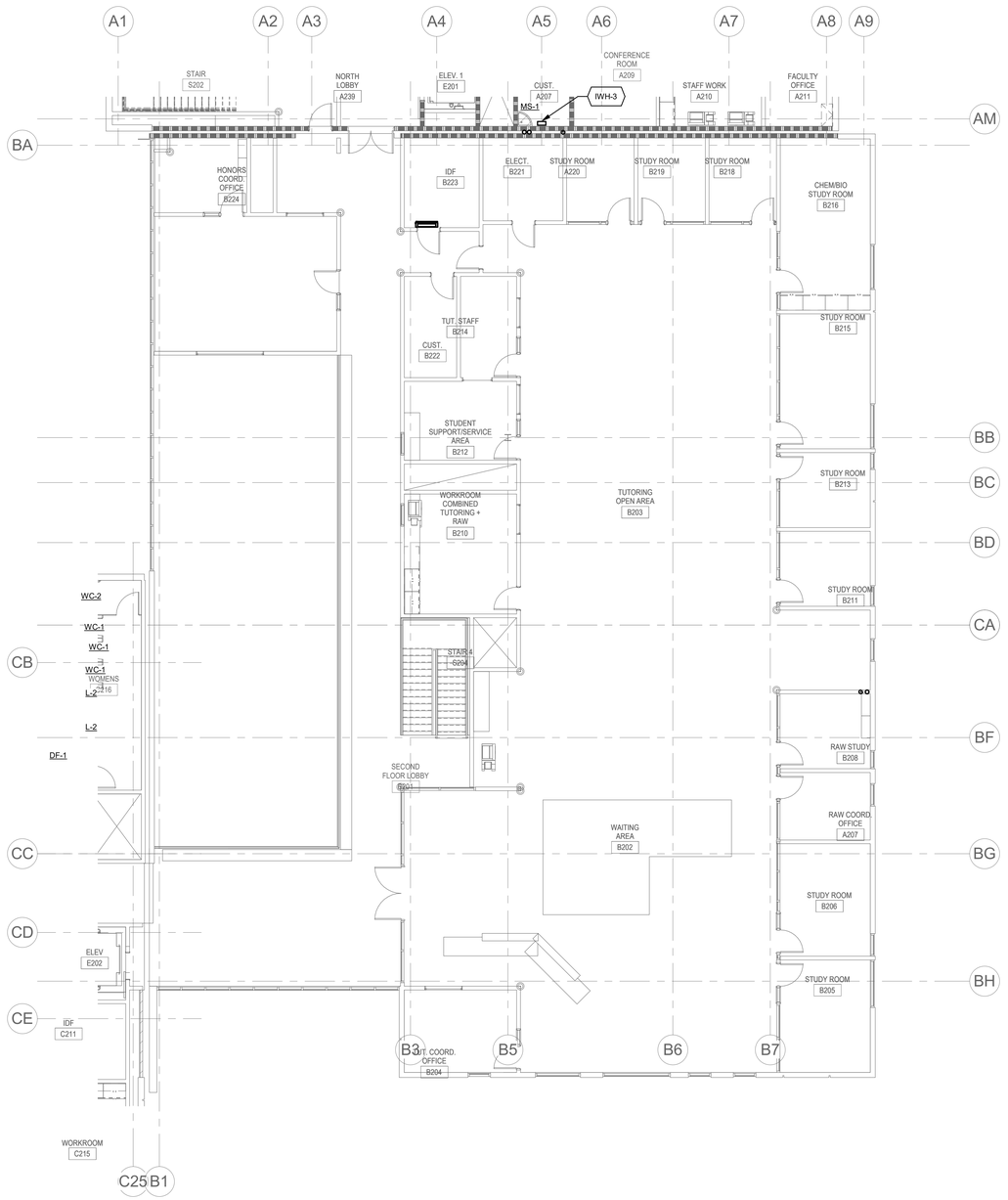
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

P2.21

DESIGN DEVELOPMENT SET

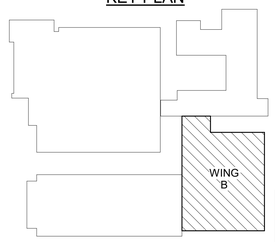


1 2ND FLOOR - SECTOR 2 - FLOOR PLAN - PLUMBING

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. WANGAL OF CALIFORNIA

PRELIMINARY

2ND FLOOR - SECTOR 2 - FLOOR PLAN - PLUMBING

PROJECT NO: 863-0004

DATE: 11-07-19

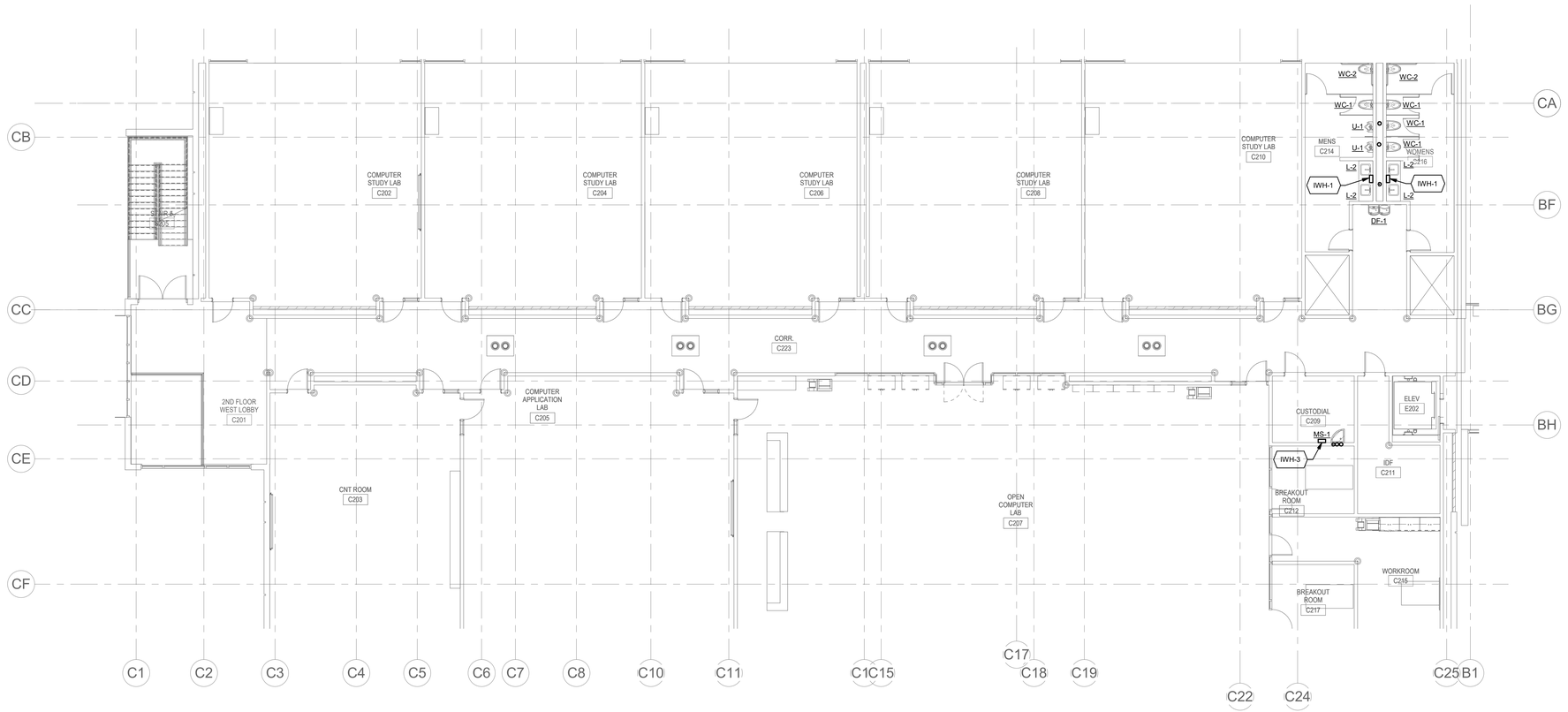
INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

P2.22

DESIGN DEVELOPMENT SET

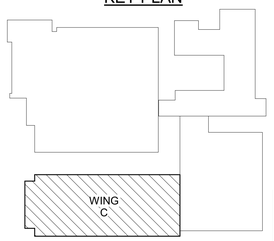


1 2ND FLOOR - SECTOR 3 - FLOOR PLAN - PLUMBING

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

2ND FLOOR - SECTOR 3 - FLOOR PLAN - PLUMBING

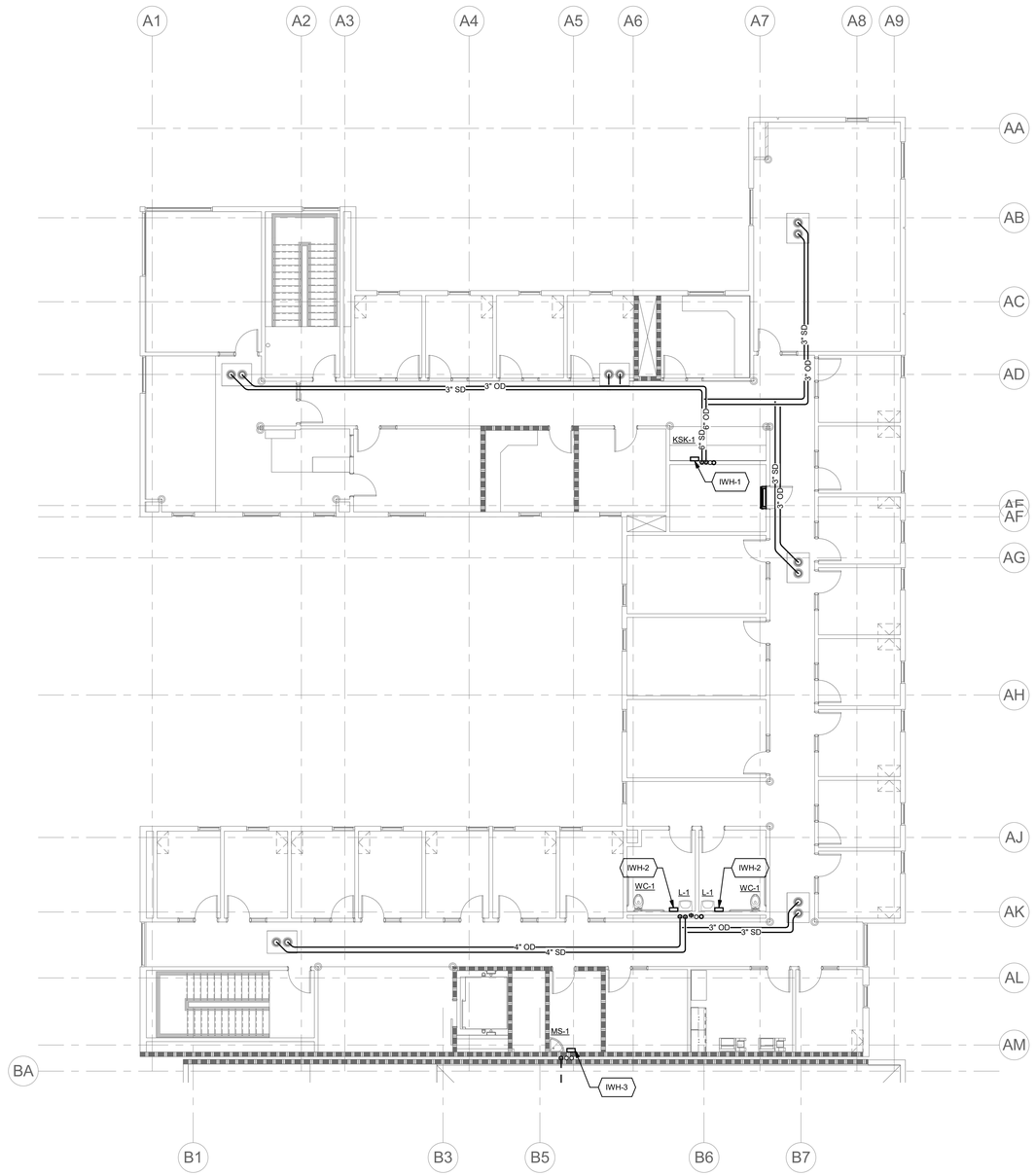
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

P2.23

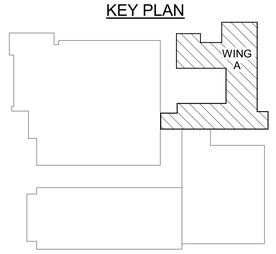
DESIGN DEVELOPMENT SET



1 3RD FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING PLAN

0' 4' 8' 16'
1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER DAVID P. [illegible] MECHANICAL STATE OF CALIFORNIA
PRELIMINARY

3RD FLOOR - SECTOR 1 - FLOOR PLAN - PLUMBING

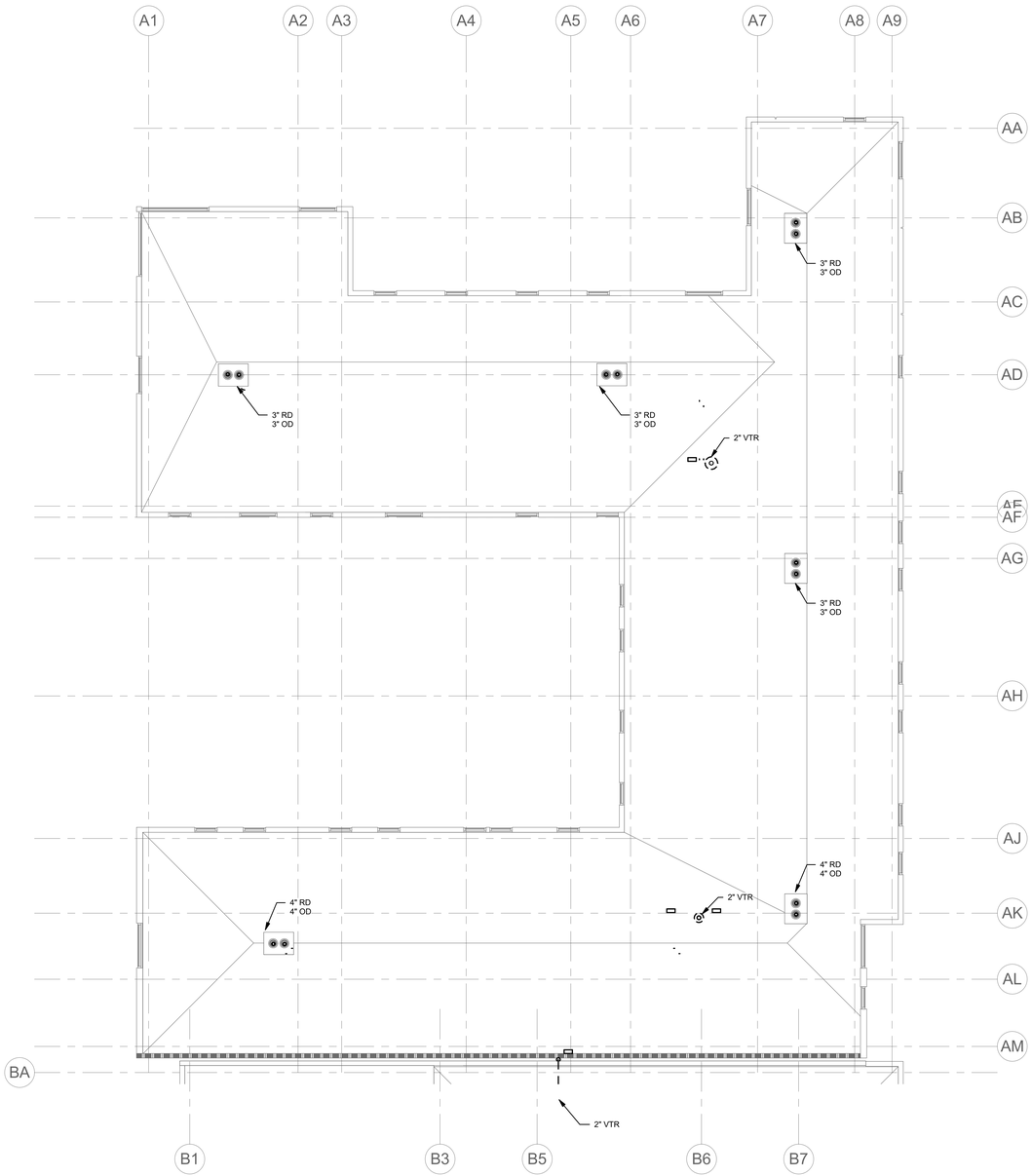
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

P2.31

DESIGN DEVELOPMENT SET

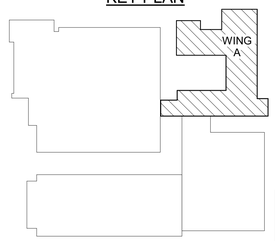


1 ROOF - SECTOR 1 - ROOF PLAN - PLUMBING

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED HEREIN. IT SHALL NOT BE REPRODUCED IN WHOLE OR IN PART OR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

ROOF - SECTOR 1 - ROOF PLAN - PLUMBING

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

P2.41

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Thomas de Senna
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

DESIGN DEVELOPMENT SET

ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

AFF	ABOVE FINISHED FLOOR
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
AWG	AMERICAN WIRE GAUGE
A	AMPERES, AMBER
AHJ	AUTHORITY HAVING JURISDICTION
AIC	AVAILABLE INTERRUPTING CAPACITY
CB	CIRCUIT BREAKER
C	CONDUIT, CLOSE, CONTROL
CU	COPPER
(X)	DEMOLISH
DIV	DIVISION
E	EMERGENCY
(E)	EXISTING
FF	FINISH FLOOR
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
G, GND	GROUND
KW	KILOWATT
MCA	MINIMUM CIRCUIT AMPS
M	MOTOR
NEC	NATIONAL ELECTRIC CODE
NESC	NATIONAL ELECTRIC SAFETY CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N	NEUTRAL
N/A	NOT APPLICABLE
N.I.C.	NOT IN CONTRACT
NTS	NOT TO SCALE
PH	PHASE
(R)	RELOCATE
SWBD	SWITCHBOARD
TGB	TELECOMMUNICATIONS GROUNDING BUS BAR
XFMR	TRANSFORMER
TYP	TYPICAL
UL	UNDERWRITERS LABORATORIES
UPS	UNINTERRUPTIBLE POWER SUPPLY
UON	UNLESS OTHERWISE NOTED
V	VOLTS, VOLTAGE
WP	WEATHERPROOF
W	WIRE, WHITE
W/	WITH
W/O	WITHOUT

Connections / Equipment

- HEAVY DUTY FUSED DISCONNECT SWITCH
- NON-FUSED DISCONNECT SWITCH
- TRANSFORMER
- CEILING MOUNTED JUNCTION BOX
- WALL-MOUNTED JUNCTION BOX

Fire Alarm

- FACP — FIRE ALARM CONTROL PANEL
- NAC — NOTIFICATION APPLIANCE CIRCUIT PANEL
- FAA — FIRE ALARM ANNUNCIATOR PANEL

General

- X / X — DETAIL NUMBER AND SHEET LOCATION
- XX-X / LOCATION — EQUIPMENT IDENTIFICATION
- 1 — KEYED NOTE
- DEMOLISH
- EXISTING WORK
- NEW WORK

Lighting

- EXIT SIGN CEILING MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
- EXIT SIGN WALL MOUNTED, ARROW(S) INDICATES DIRECTION IF SHOWN
- RECESSED LUMINAIRE
- RECESSED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT
- SURFACE OR PENDANT MOUNTED 1' X 8' LUMINAIRE
- SURFACE OR PENDANT MOUNTED 6" X 8' LUMINAIRE
- SURFACE OR PENDANT MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- SURFACE OR PENDANT MOUNTED STRIPLIGHT
- WALL MOUNTED 6" WIDE LUMINAIRE
- WALL MOUNTED 6" WIDE LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- WALL MOUNTED 12" WIDE LUMINAIRE
- WALL MOUNTED 12" WIDE LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- WALL MOUNTED LUMINAIRE
- WALL MOUNTED LUMINAIRE CONNECTED TO EMERGENCY/LIFE SAFETY CIRCUIT OR WITH INTEGRAL EMERGENCY BATTERY CONNECTED TO UNSWITCHED CIRCUIT
- AREA LUMINAIRE ARM MOUNTED WITH POLE AND CONCRETE BASE. NUMBER OF HEADS AND CONFIGURATION INDICATED ON PLANS.

Miscellaneous

- #10 / B-27,29,31. — BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
- BRANCH PANEL
- CIRCUIT BREAKER
- CIRCUIT BREAKER WITH SHUNT TRIP
- CP — CONTROL PANEL
- DRY TYPE TRANSFORMER
- FLUSH MOUNT EQUIPMENT ENCLOSURE AS NOTED
- FLUSH WALL MOUNTED BRANCH PANEL
- GB — GROUND BAR
- GROUNDING POINT
- MAIN DISTRIBUTION PANEL / SUB DISTRIBUTION PANEL

Switches and Receptacles

- COMBINATION COMMUNICATIONS OUTLET AND DOUBLE DUPLEX RECEPTACLE, FLUSH FLOOR
- COMBINATION COMMUNICATIONS OUTLET AND DUPLEX RECEPTACLE, FLUSH FLOOR
- DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS)
  A = ABOVE COUNTER
  B = CLOCK HANGER
  C = FLUSH CEILING MOUNTED
  E = EMERGENCY
  F = ARC FAULT PROTECTED BY BREAKER IN PANEL
  G = GROUND FAULT CIRCUIT INTERRUPTER
  H = HOSPITAL GRADE
  K = CHILD RESISTANT COVER
  L = ISOLATED GROUND
  P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH
  R1 = HALF SWITCHED BY OCCUPANCY SENSOR RELAY
  R2 = FULLY SWITCHED BY OCCUPANCY SENSOR RELAY
  S = SPLIT WIRED
  T = TAMPER RESISTANT SHUTTERED RECEPTACLE
  U = USB PORT(S)
  W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE
- DUPLEX RECEPTACLE, FLUSH FLOOR
- DOUBLE DUPLEX RECEPTACLE, FLUSH FLOOR
- DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- SINGLE RECEPTACLE, FLUSH FLOOR
- SINGLE RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- SPECIAL PURPOSE RECEPTACLE. LETTER CODE DENOTES RECEPTACLE CONFIGURATION
  LX-XXR = NEMA CONFIGURATION TWIST-LOCK RECEPTACLE
  X-XXR = NEMA CONFIGURATION STRAIGHT BLADE RECEPTACLE
  P = PENDANT MOUNT WITH CORD GRIPS. VERIFY PENDANT LENGTH
  X = COORDINATE RECEPTACLE CONFIGURATION WITH EQUIPMENT BEING SUPPLIED
- CEILING MOUNTED OCCUPANCY SENSOR
  P = PASSIVE INFRARED
  D = DUAL TECHNOLOGY
  U = ULTRASONIC, 360 DEG RANGE
  H = ULTRASONIC, HALLWAY PATTERN
  v (LOWERCASE) = VACANCY CONTROL DESIGNATION
- WALL MOUNTED OCCUPANCY SENSOR
  P = PASSIVE INFRARED
  D = DUAL TECHNOLOGY
  v (LOWERCASE) = VACANCY CONTROL DESIGNATION
- WALL MOUNTED OCCUPANCY SENSOR/SWITCH
  S = PASSIVE INFRARED WITH INTEGRAL "OFF" SWITCH
  T = DUAL RELAY PASSIVE INFRARED WITH TWO INTEGRAL "OFF" SWITCHES
  D = PASSIVE INFRARED WITH INTEGRAL DIMMER TO OFF.
  v (LOWERCASE) = VACANCY CONTROL DESIGNATION
- PHOTO ELECTRIC SWITCH
  D = CONTINUOUS DIMMING PHOTOCELL
  S = SWITCHED PHOTOCELL
- SINGLE POLE SWITCH
  2 = DOUBLE POLE SWITCH
  3 = THREE-WAY SWITCH
  4 = FOUR-WAY SWITCH
  a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION
  D = DIMMER
  F = FAN SPEED CONTROL
  K = KEY OPERATED SWITCH
  L = LIGHTED HANDLE
  M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
  P = SWITCH WITH PILOT LIGHT
  S = SENTRY SWITCH
  T = INTERVAL TIMER
  W = WEATHERPROOF SWITCH
  V = LOW VOLTAGE SWITCH

SHEET INDEX

E0.01	SYMBOL LIST AND GENERAL NOTES - ELECTRICAL
E0.02	LUMINAIRE SCHEDULE AND CONTROL MATRIX
E1.00	OVERALL SITE PLAN - ELECTRICAL
ED2.54	DEMOLITION - 1ST FLOOR SECTOR 4 - LIGHTING
ED3.54	DEMOLITION - 1ST FLOOR SECTOR 4 - POWER
E2.11	FIRST FLOOR PLAN - SECTOR 1 - LIGHTING
E2.12	FIRST FLOOR PLAN - SECTOR 2 - LIGHTING
E2.13	FIRST FLOOR PLAN - SECTOR 3 - LIGHTING
E2.14	FIRST FLOOR PLAN - SECTOR 4 - LIGHTING
E2.21	SECOND FLOOR PLAN - SECTOR 1 - LIGHTING
E2.22	SECOND FLOOR PLAN - SECTOR 2 - LIGHTING
E2.23	SECOND FLOOR PLAN - SECTOR 3 - LIGHTING
E2.31	THIRD FLOOR PLAN - SECTOR 1 - LIGHTING
E3.11	FIRST FLOOR PLAN - SECTOR 1 - POWER
E3.12	FIRST FLOOR PLAN - SECTOR 2 - POWER
E3.13	FIRST FLOOR PLAN - SECTOR 3 - POWER
E3.14	FIRST FLOOR PLAN - SECTOR 4 - POWER
E3.21	SECOND FLOOR PLAN - SECTOR 1 - POWER
E3.22	SECOND FLOOR PLAN - SECTOR 2 - POWER
E3.23	SECOND FLOOR PLAN - SECTOR 3 - POWER
E3.31	THIRD FLOOR PLAN - SECTOR 1 - POWER
E3.41	ROOF PLAN - SECTOR 1 - POWER
E3.42	ROOF PLAN - SECTOR 2 - POWER
E3.43	ROOF PLAN - SECTOR 3 - POWER
E3.44	ROOF PLAN - SECTOR 4 - POWER
E5.01	BUILDING 2100 - SINGLE LINE DIAGRAM - ELECTRICAL
E5.02	BUILDING 2000 - PARTIAL SINGLE LINE DIAGRAM - ELECTRICAL

GENERAL ELECTRICAL NOTES

A. DO NOT COMMENCE INSTALLATION OF ELECTRICAL SYSTEMS AND EQUIPMENT WITHOUT RELATED SHOP DRAWING APPROVALS.

B. ELECTRICAL CIRCUITS SHALL BE INTERRUPTED ONLY WITH PRIOR WRITTEN CONSENT. SUCH INTERRUPTIONS SHALL BE PRECEDED BY ALL POSSIBLE PREPARATIONS BY THE CONTRACTOR WHICH ARE NECESSARY TO KEEP THE ELECTRICAL CIRCUITS OFF FOR A MINIMUM PERIOD IN AN EXPEDITIOUS MANNER PURSUANT WITH GOOD WORKMANSHIP. THIS INCLUDES CIRCUIT TRACING TO IDENTIFY THE ELECTRICAL LOAD BEING SERVED AND THE ORIGIN OF THE CIRCUIT.

C. COORDINATE WITH OWNER SO THAT WORK CAN BE SCHEDULED NOT TO INTERRUPT OPERATIONS, NORMAL ACTIVITIES, BUILDING ACCESS, ACCESS TO DIFFERENT AREAS. THE OWNER WILL COOPERATE TO THE BEST OF THEIR ABILITY TO ASSIST IN A COORDINATED SCHEDULE, BUT WILL REMAIN THE FINAL AUTHORITY AS TO TIME OF WORK PERMITTED.

D. COORDINATE THE EXACT LOCATION OF EXISTING UTILITIES AND EQUIPMENT PRIOR TO COMMENCEMENT OF WORK. COMPENSATE THE OWNER FOR DAMAGES CAUSED BY THE FAILURE TO LOCATE AND PRESERVE UTILITIES. REPLACE DAMAGED ITEMS WITH NEW MATERIAL TO MATCH EXISTING.

E. REMOVE EXISTING LUMINAIRES, SWITCHES, RECEPTACLES, AND OTHER ELECTRICAL EQUIPMENT AND DEVICES AND ASSOCIATED WIRING FROM WALLS, CEILINGS, FLOORS, AND OTHER SURFACES SCHEDULED FOR REMODELING, RELOCATION, OR DEMOLITION UNLESS SHOWN AS RETAINED OR RELOCATED ON DRAWINGS.

F. MAINTAIN ELECTRICAL CONTINUITY OF EXISTING SYSTEMS. REMOVE OR RELOCATE ELECTRICAL BOXES, CONDUIT, WIRING, EQUIPMENT, LUMINAIRES, AND THE LIKE, AS REQUIRED IN REMOVED OR REMODELED AREAS IN THE EXISTING CONSTRUCTION AFFECTED BY THIS WORK.

G. REMOVE AND RESTORE WIRING WHICH SERVES USABLE EXISTING OUTLETS CLEAR OF THE CONSTRUCTION OR DEMOLITION.

H. IF EXISTING JUNCTION BOXES WILL BE MADE INACCESSIBLE, OR IF ABANDONED OUTLETS SERVE AS FEED THROUGH BOXES FOR OTHER EXISTING ELECTRICAL EQUIPMENT WHICH IS BEING RETAINED, PROVIDE NEW CONDUIT AND WIRE TO BYPASS THE ABANDONED OUTLETS.

I. IF EXISTING CONDUITS PASS THROUGH PARTITIONS OR CEILING WHICH ARE BEING REMOVED OR REMODELED, PROVIDE NEW CONDUIT AND WIRE TO REROUTE CLEAR OF THE CONSTRUCTION OR DEMOLITION AND MAINTAIN SERVICE TO THE EXISTING LOAD.

J. CONCEALED CONDUIT LOCATED IN CONCRETE WALLS OR HARDBOARD CEILING SPACES MAY BE ABANDONED IN PLACE. REMOVE CONDUCTORS AND TAG ABANDONED CONDUITS WITH CORRESPONDING SYSTEM AND TERMINATION POINT. CUT AND CAP ABANDONED CONDUIT. DO NOT EXTEND STUBS ABOVE FINISHED FLOOR.

K. EXTEND CIRCUITING AND DEVICES IN EXISTING WALLS TO BE FURRED OUT.

L. PROVIDE TEMPORARY SUPPORT FOR ELECTRICAL SYSTEMS THAT REMAIN IN PLACE.

M. VERIFY EXACT LOCATION AND NUMBER OF EXISTING ELECTRICAL OUTLETS AND LUMINAIRES IN THE FIELD. LOCATIONS OF ITEMS SHOWN ON DRAWINGS AS EXISTING ARE PARTIALLY BASED ON RECORD AND OTHER DRAWINGS WHICH MAY CONTAIN ERRORS. VERIFY THE ACCURACY OF THE INFORMATION SHOWN PRIOR TO BIDDING AND PROVIDE SUCH LABOR AND MATERIAL AS IS NECESSARY TO ACCOMPLISH THE INTENT OF THE CONTRACT DOCUMENTS.

N. REMOVE ABANDONED WIRING TO LEAVE SITE CLEAN.

O. PROVIDE BLANK COVER PLATE FOR ABANDONED FLUSH OUTLETS.

P. EXISTING LIGHTING WHICH IS TO REMAIN OR BE RELOCATED IS TO BE RELAMPED, REBALLASTED, AND CLEANED. LEAVE ALL LUMINAIRES IN PROPER WORKING ORDER. REPLACE DAMAGED OR BROKEN LENS AND/OR COMPONENTS.

Q. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.

R. WHERE DRAWINGS INDICATE EXISTING ELECTRICAL EQUIPMENT OR DEVICES TO BE RELOCATED AND/OR REUSED, REFURBISH THEM. THOROUGHLY CLEAN SUCH ITEMS. NOTIFY ARCHITECT OF ANY DEFECTS IN SUCH INSTALLATIONS. REPAIR ANY DAMAGE CAUSED BY DEMOLITION OR CONSTRUCTION PERFORMED UNDER THIS CONTRACT.

S. PROVIDE UPDATED PANEL SCHEDULES AND DIRECTORIES THAT IDENTIFY EXISTING CIRCUITS AND NUMBER OF SPARE CIRCUITS AVAILABLE UPON COMPLETION OF DEMOLITION WORK.

T. OFFER REMOVED LUMINAIRES, WIRING DEVICES, PANELBOARDS AND EQUIPMENT TO THE OWNER. IF OWNER CHOOSES TO RETAIN THESE ITEMS, RETURN SUCH ITEMS TO OWNER. CAREFULLY REMOVE AND DISPOSE OF ITEMS REJECTED BY OWNER FROM PROJECT SITE AND IN A LEGAL MANNER.

U. RECONNECT EXISTING LUMINAIRES NOT SHOWN ON DRAWINGS AND AFFECTED DUE TO DEMOLITION TO NEAREST AVAILABLE EXISTING LIGHTING CIRCUIT ABLE TO TAKE THE ADDITIONAL LOAD.

V. PROVIDE SUITABLE ANCHORAGE AND SUPPORT FOR ELECTRICAL EQUIPMENT IN RATED WALLS, SLABS AND CEILINGS. MOUNT DEVICES AND RACEWAYS IN ACCORDANCE WITH ESTABLISHED CODES AND SPECIFICATIONS.

W. REFER TO SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

X. DRAWINGS AND SPECIFICATIONS COMPLIMENT EACH OTHER. REQUIREMENT BY EITHER INFERS REQUIREMENT BY BOTH.

Y. CONNECT EQUIPMENT AND DEVICES FURNISHED UNDER OTHER DIVISIONS OF THIS CONTRACT, BY OWNER OR BY OTHER CONTRACTS.

Z. UNLESS OTHERWISE NOTED, PROVIDE CONCEALED AND FLUSH MOUNTED INSTALLATION OF DEVICES AND EQUIPMENT IN AREAS.

AA. PROVIDE SEPARATE EQUIPMENT GROUNDING CONDUCTOR IN 120 VOLT, MULTI-WIRE CIRCUITS.

AB. FOR 120 VOLT, 20 AMP CIRCUITS, WHERE CIRCUIT DISTANCE FROM PANELBOARD TO FARTHEST DEVICE/FIXTURE EXCEEDS 75 FEET, PROVIDE #10 SIZE CONDUCTOR.

AC. RUN ELECTRICAL CONDUIT CONCEALED AND PARALLEL TO BUILDING LINES. VERIFY WITH ARCHITECT.

AD. RECEPTACLE OUTLETS SHALL COMPLY WITH CEC SECTION 210.7.

AE. LIGHTS, SWITCHES AND CONTROL MECHANISMS SHALL COMPLY WITH CEC SECTION 404.

AF. BRACE ELECTRICAL EQUIPMENT TO RESIST A HORIZONTAL FORCE THAT ACT IN ANY DIRECTION. COMPLY WITH TITLE 24 REQUIREMENTS.

AG. INSTALL COMPLETE SYSTEM OF CONDUCTORS IN RACEWAY SYSTEM THROUGHOUT BUILDING FOR FEEDERS, BRANCH CIRCUITS, ETC.

AH. DESIGN OF TEMPORARY POWER FOR CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY. REMOVE TEMPORARY POWER PRIOR TO COMPLETION OF PROJECT.

AI. ALL WORK ON SERVICE CONDUCTORS, FEEDERS, AND OTHER SUCH EQUIPMENT SHALL BE DONE ONLY WHEN SUCH CONDUCTORS, FEEDERS, AND EQUIPMENT ARE DE-ENERGIZED. THE CONTRACTOR SHALL HAVE AN "ELECTRICAL SAFETY AND LOCK-OUT/TAG-OUT PROCEDURE" IN PLACE PRIOR TO COMMENCEMENT OF WORK.

AJ. ELECTRICAL CONTRACTOR SHALL COORDINATE ALL CONDUIT TRENCHING WITH OTHER DISCIPLINES AND THE UTILITY COMPANY TO AVOID CONFLICT.

AK. MINIMUM SIZE FOR EXTERIOR BELOW GRADE CONDUIT SHALL BE 1".

AL. OCCUPANCY SENSOR NOTES:
1. WALL SENSORS
   a. SENSOR MUST HAVE CLEAR "VIEW" OF OCCUPANTS. WHERE SENSOR WILL BE BLOCKED, SUBSTITUTE WITH SMALL-ROOM CEILING SENSOR.
2. SEE MANUFACTURER'S SPECIFICATION REGARDING PLACING SENSORS AWAY FROM STRONG AIR-FLOW. INDICATE PRECISE LOCATION OF EACH CEILING SENSOR WHERE DRAWINGS INDICATE AIR SUPPLIES.
3. IN INDIVIDUAL ROOMS WITH CEILING SENSORS AND DUAL-LEVEL LIGHTING, ASSUME TWO TOGGLE SWITCH OVERRIDES PER ROOM.
4. PRIOR TO INSTALLATION, RECEIVE FACTORY-TRAINING AND LAYOUT-ASSISTANCE. IF LOCAL AGENT CHANGES LIGHTING DRAWINGS, CONTACT FACTORY REPRESENTATIVE.

AM. PROVIDE DESIGN BUILD FOR FIRE ALARM SYSTEM AND ANY REQUIRED MODIFICATION TO THE EXISTING FIRE ALARM SYSTEM. SUBMIT COMPLETE DRAWINGS TO THE FIRE MARSHAL FOR APPROVAL AND ASSUME FULL RESPONSIBILITY OF THE SYSTEM, DEVICE QUANTITY AND LOCATION, WIRING, PROGRAMMING AND CONTROL PANELS. COORDINATE FINAL DEVICE LOCATIONS WITH THE ARCHITECT PRIOR TO ROUGH-IN.

AN. ALL AIC RATINGS SHOWN ARE MINIMUM REQUIREMENTS. COORDINATE AND UPGRADE RATINGS FOR ALL DISTRIBUTION EQUIPMENT AS PER SHORT CIRCUIT ANALYSIS RECOMMENTATIONS.

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

SYMBOL LIST AND GENERAL NOTES - ELECTRICAL

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E0.01

DESIGN DEVELOPMENT SET

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	HOUSING	SHIELDING	MOUNTING	FINISH	UL/IP RATING	BALLAST	LAMP(S)	INPUT WATTS	MFG/CATALOG #	NOTES
H1	RECESSED CONTINUOUS LINEAR LED AT MAIN CORRIDORS	20 GAUGE STEEL	ACRYLIC LENS	RECESSED	TO BE ADVISED BY ARCHITECT	DAMP	0-10V DIMMABLE	LED 3500K, 675 LUMENS/FOOT	7W/FT	PRUDENTIAL P43-LED-35-MO-04-SAL-D1-SC-UNV-DM10 OR APPROVED EQUIVALENT	
H1A	RECESSED CONTINUOUS LINEAR LED AT OFFICES AND CONFERENCE FACULTY SPACES	20 GAUGE STEEL	ACRYLIC LENS	RECESSED	TO BE ADVISED BY ARCHITECT	DAMP	0-10V DIMMABLE	LED 3500K, 900 LUMENS/FT	10W/FT	PRUDENTIAL P43-LED35-SO-04-SAL-D1 OR APPROVED EQUIVALENT	
HIB	SUSPENDED DIRECT PENDANT AT SLOT CEILING IN MAIN ENTRY - HIGH OUTPUT	20 GAUGE STEEL	ACRYLIC LENS	RECESSED	TO BE ADVISED BY ARCHITECT	DAMP	0-10V DIMMABLE	LED 3500K		PRUDENTIAL P40 OR APPROVED EQUIVALENT	
H2	2" RECESSED WALL WASH AT BATHROOMS ENTRY	SMALL FIXTURE HOUSING AND DRIVER BOX ASSEMBLY	ASYMMETRIC REFLECTOR	RECESSED	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 890 LUMENS	12.4W	ALPHABET 624-RW-XTM19-10LM-35-83-WW-120-DIM10-NC-X OR APPROVED EQUIVALENT	
H3	ARCHITECTURAL LED TROFFER - STRAIGHT FLOATING CENTER	PRECISION DIE-FORMED 22-GUAGE C.R.S.	DIFFUSE POLYCARBONATE LENS AND ACRYLIC CENTER STANDARD	RECESSED	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K 3000 LUMENS, 82 CRI	31W	H.E. WILLIAMS AT3-2-2-L30/835-D-L25-DIM-UNV OR APPROVED EQUIVALENT	
H5	NOT USED										
H6	4.5" SQUARE RECESSED DOWNLIGHT	20 GAUGE GALVANIZED STEEL	DIFFUSER	RECESSED	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 1500 LUMENS, 80 CRI	19W	H.E. WILLIAMS LSQ45-L15C/835-X-X-X-X-DIM-120 OR APPROVED EQUIVALENT	
H6.A	4.5" SQUARE RECESSED DOWNLIGHT	20 GAUGE GALVANIZED STEEL	DIFFUSER	RECESSED	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 3000 LUMENS, 80 CRI	35W	H.E. WILLIAMS LSQ45-L30C/835-X- DIM-120 OR APPROVED EQUIVALENT	
H7	TOILET ROOMS CONTINUOUS LINEAR STRIP DIRECT	EXTRUDED ALUMINUM LENGTHS AS SHOWN ON DRAWINGS	DIFFUSER	WALL MOUNTED TO TOP OF CEILING	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 625 LUMENS/FT, 80 CRI	7.1W/FT	FINELITE HP-2 WM D -X-H-8-35-F-120-SC-MB-X OR APPROVED EQUIVALENT	
H8	SUSPENDED LINEAR DIRECT INDIRECT FIXTURE FOR CLASSROOMS AND LABS	20 GAUGE DIE FORMED STEEL WITH AN 18 GUAGE DIE FORMED INTERNAL JOINER SYSTEM.LENGTHS AS SHOWN ON DRAWINGS	DIFFUSER	SUSPENDED AT 8'	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 2727 LUMENS, 80 CRI	28.4W PER 4 FT	FINELITE SERIES 16 LED ID-DCO-X-2E-H-8-35-CTO-30U70D-120V-SC&2C-FA-FE-C2-X OR APPROVED EQUIVALENT	
H9	4FT WALL MOUNT STAIR LIGHTING WITH INTEGRAL OCCUPANCY SENSOR	ALUMINIUM DIE CAST HOUSING	OPAL LENS	WALL MOUNTED	WHITE	DRY LISTED	0-10V DIMMING DRIVER	LED, 3000K, 5484 LUMENS	50W	LUMINAIRE LED - TSL-94-46-50W-30K-M7-120-277VOLT-OP-WHT- OR APPROVED EQUIVALENT	
H10	UNDER STAIR LED	EXTRUDED ALUMINUM LENGTHS AS SHOWN ON DRAWINGS	FROSTED DIFFUSER	RECESSED	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 454 LUMENS/FT, 80 CRI	5W/FT	FINELITE HP-4-WW-R-K-X-V-835-120-VF-SC OR APPROVED EQUIVALENT	
H11	UNDER CABINET LIGHT	1.75 INCHES WIDE	LOW PROFILE HOUSING	SURFACE MOUNTED UNDER CABINET	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. ELV	LED 3000K, 220 LUMENS, 85 CRI	10W/FT	PHILIPS EW PROFILE POWERCORE 3000K, 120-000065-00 & 108-000035-10 & 108-000035-03 & 523-000027-72 & 523-000027-74 OR APPROVED EQUIVALENT	
H12	RECESSED LED WALL-WASHERS FOR WHITE BOARDS	DIE-FORMED 20 GAUGE COLD ROLLED STEEL	FROSTED LENS	RECESSED	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 1000 LUMENS, 80+ CRI	20W	HPW-LED-X-FR-SO-3500K-120V-SC-RECESSED OR APPROVED EQUIVALENT	LENGTHS TO BE COORDINATED WITH ARCHITECT.
H13	SURFACE MOUNTED LED STRIP LIGHT	PRECISION DIE-FORMED 22-GUAGE C.R.S.	ACRYLIC	SURFACE MOUNTED	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 3800 LUMENS, 80 CRI	41W PER 4 FT	H.E. WILLIAMS 75L-4-L38-835-X-DMA-LX-DIM-UNV OR APPROVED EQUIVALENT	
H14	PENDANT 48" LED STRIP LIGHT	PRECISION DIE-FORMED 22-GUAGE C.R.S.	ACRYLIC	SUSPENDED AT 8'	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 3800 LUMENS, 80 CRI	41W PER 4 FT	H.E. WILLIAMS 75L-4-L38-835-X-DMA-LX-DIM-UNV - (2)VBY-4FWU OR APPROVED EQUIVALENT	
H15B	2' SURFACE LED	2' ROUND	FROSTED ACRYLIC	SURFACE MOUNTED	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 2500 LUMENS, 82 CRI	31W	H.E. WILLIAMS RNDS-2-L25-835-X-FXA-DIM-UNV OR APPROVED EQUIVALENT	
H15A	3' SURFACE PENDANT LED	3' ROUND	FROSTED ACRYLIC	SURFACE MOUNTED	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 3500K, 6700 LUMENS, 82 CRI	75W	H.E. WILLIAMS RNDS-3-L67-835-X-FXA-DIM-UNV OR APPROVED EQUIVALENT	
H16	ELEVATOR CONTROL ROOM STRIPLIGHT	CAST ALUMINUM	FROSTED ACRYLIC	SURFACE MOUNTED	COORDINATE FINISH WITH ARCHITECT	DAMP LISTED	10% DIMMING DRIVER. 0-10V.	LED 3500K, 4000 LUMENS	40W	COLUMBIA CSL4-4035 OR APPROVED EQUIVALENT	
T1	EXTERIOR LED WALL PACK, TYPE XXX	DIE-CAST ALUMINUM ALLOY	LENS	WALL MOUNTED @ 9' AFF	COORDINATE FINISH WITH ARCHITECT		10% DIMMING DRIVER. 0-10V.	LED 4000K, 2687 LUMENS	28W	PHILIPS GARDCO 101L-16L-530-WW-G1-3-X-120-DD OR APPROVED EQUIVALENT	
T2	EXTERIOR POLE MOUNTED LED	CAST ALUMINUM	LENS	12' POLE MOUNTED	COORDINATE FINISH WITH ARCHITECT			LED 3000K, 5480 LUMENS	52W	VISIONAIRE LIGHTING PRE-2-L-T2-48LC-3-3K-UNV-PT-X & RNTA-4RS-125-12'-AKB-343-T4R-X OR APPROVED EQUIVALENT	POLE FINISH BY ARCHITECT. COLOR TEMPERATURE SHOWN AS REFERENCE. ARCHITECT TO CONFIRM CORRELATED COLOR TEMPERATURE (CCT).
T3	EXTERIOR POLE MOUNTED LED	CAST ALUMINUM	LENS	12' POLE MOUNTED	COORDINATE FINISH WITH ARCHITECT			LED 3000K, 5433 LUMENS	52W	VISIONAIRE LIGHTING PRE-2-L-T3-48LC-3-3K-UNV-PT-X & RNTA-4RS-125-12'-AKB-343-T4R-X OR APPROVED EQUIVALENT	POLE FINISH BY ARCHITECT. COLOR TEMPERATURE SHOWN AS REFERENCE. ARCHITECT TO CONFIRM CORRELATED COLOR TEMPERATURE (CCT).
T4	EXTERIOR POLE MOUNTED LED	CAST ALUMINUM	LENS	12' POLE MOUNTED	COORDINATE FINISH WITH ARCHITECT			LED 3000K, 5340 LUMENS	52W	VISIONAIRE LIGHTING PRE-2-L-T4-48LC-3-3K-UNV-PT-X & RNTA-4RS-125-12'-AKB-343-T4R-X OR APPROVED EQUIVALENT	POLE FINISH BY ARCHITECT. COLOR TEMPERATURE SHOWN AS REFERENCE. ARCHITECT TO CONFIRM CORRELATED COLOR TEMPERATURE (CCT).
X1	UNIVERSAL MOUNTED THIN PROFILE EDGE LIT EXIT SIGN. FACES/BACKGROUNDS AS INDICATED ON PLANS.	NOMINAL 14-INCH WIDE BY 8-INCH HIGH DIE-CAST ALUMINUM AND ACRYLIC HOUSING. CONTRACTOR TO VERIFY BACKBOX REQUIREMENTS DURING ROUGH-IN.		COORDINATE MOUNTING HEIGHT WITH ARCHITECTURAL DRAWINGS. PROVIDE UNIVERSAL MOUNTING AND FIRLD INSTALL ONE OR TWO SIDE WITH SELECTABLE DIRECTIONAL ARROWS.	BRUSHED ALUMINUM			GREEN LED	NOMINAL 2 WATTS	EVENLITE SOVEREIGN SERIES SOV-AC-G-X-BA-RC-UC-X OR APPROVED EQUIVALENT	CONNECT COMPLETE TO EMERGENCY LIGHTING INVERTER AS REQUIRED. EXIT SIGN DOES NOT REQUIRE INTEGRAL BATTERY PACK.

NOTES:

1. THIS LUMINAIRE SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING THE ELECTRICAL SPECIFICATIONS.
2. DIMMING CONTROL PROTOCOL (0-10VDC, LINE VOLTAGE, DALI, ETC.) COMPATIBLE WITH LIGHTING CONTROL SYSTEM AS SPECIFIED AND SHOWN ON DRAWINGS.
3. PROVIDE +/- 12 INCH ADJUSTABILITY IN AIRCRAFT CABLE LENGTH WHERE USED.
4. COORDINATE ALL CEILING TYPES WITH LUMINAIRE LOCATIONS PRIOR TO ORDERING LUMINAIRES. COORDINATE INSTALLATION WITH REFLECTED CEILING PLAN.
5. SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.
6. PROVIDE SUBMITTALS THAT INCLUDE THE LUMINAIRE, LAMP AND BALLAST INFORMATION OF EACH LUMINAIRE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.
7. REMOTE BALLASTS/DRIVERS: UL LISTED FOR THEIR APPLICATION. BALLASTS/DRIVERS MARKED AS UL RECOGNIZED COMPONENT BUT NOT UL LISTED ARE SUBJECT TO REMOVAL AND REPLACEMENT AT NO COST TO OWNER.
8. PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 LIGHTING COMMISSIONING REQUIREMENTS.

LIGHTING CONTROL SEQUENCE OF OPERATIONS

ZONE	CONTROL
ALL	DEMAND RESPONSE CAPABILITY FOR LIGHTING TO BE CAPABLE OF REDUCING POWER BY 15%.
EXTERIOR	EXTERIOR LIGHTING CONTROLLED THROUGH THE ALERTON BMS WITH A DIGITAL ASTRONOMICAL TIME CLOCK WITH EVENING LIGHT AND SECURITY REQUIREMENTS PER THE DISTRICT'S DISGRESSION.
RESTROOMS	LOCALLY SWITCHED BY DIMMER SWITCHES AND OCCUPANCY SENSORS AS SHOWN. OCCUPANCY SENSORS TO TURN OFF ALL LIGHTING AFTER 30 MINUTES.
OFFICE AREAS	LOCALLY SWITCHED WITH DIMMER SWITCHES, OCCUPANCY SENSORS, AND DAYLIGHT SENSORS AS SHOWN. OCCUPANCY SENSORS TO TURN OFF ALL LIGHTING AFTER 30 MINUTES. ALL LIGHTING WITHIN PRIMARY DAYLIT ZONE TO BE CONTINUOUSLY DIMMED BY DAYLIGHT SENSOR. MAINTAIN A LIGHTING LEVEL OF 30 FC.
BACK OF HOUSE AREAS	LOCALLY SWITCHED BY DIMMER SWITCHES AND OCCUPANCY SENSORS AS SHOWN. OCCUPANCY SENSORS TO TURN OFF ALL LIGHTING AFTER 15 MINUTES.
LECTURE HALL	DIMMABLE SWITCHES LOCATED AT FRONT OF ROOM FOR PRESENTER CONTROL. ON/OFF SWITCHES LOCATED AT STUDENT ENTRY FOR GENERAL USE. OCCUPANCY SENSORS TO TURN OFF ALL LIGHTING AFTER 1 HOUR WHEN SPACE IS UNOCCUPIED.
CORRIDORS / STAIRWELLS	PROVIDE DIMMER SWITCHES AND OCCUPANCY SENSORS AS SHOWN ON PLANS. DIMMER SWITCHES TO BE LOCATED IN ELEC ROOMS SO AS NOT TO BE ACCESSED BY THE PUBLIC. OCCUPANCY SENSORS TO REDUCE LIGHTING BY 50% WHEN THE SPACE IS UNOCCUPIED AND TO TURN THE LIGHTING FULLY ON WHEN OCCUPANTS ARE DETECTED IN THE ZONE.
CLASSROOMS	LOCALLY SWITCHED WITH DIMMER SWITCHES, OCCUPANCY SENSORS, AND DAYLIGHT SENSORS AS SHOWN. OCCUPANCY SENSORS TO TURN OFF ALL LIGHTING AFTER 30 MINUTES. ALL LIGHTING WITHIN DAYLIT ZONES TO BE CONTINUOUSLY DIMMED BY DAYLIGHT SENSOR. MAINTAIN A LIGHTING LEVEL OF 30 FC.

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

LUMINAIRE SCHEDULE AND CONTROL MATRIX

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

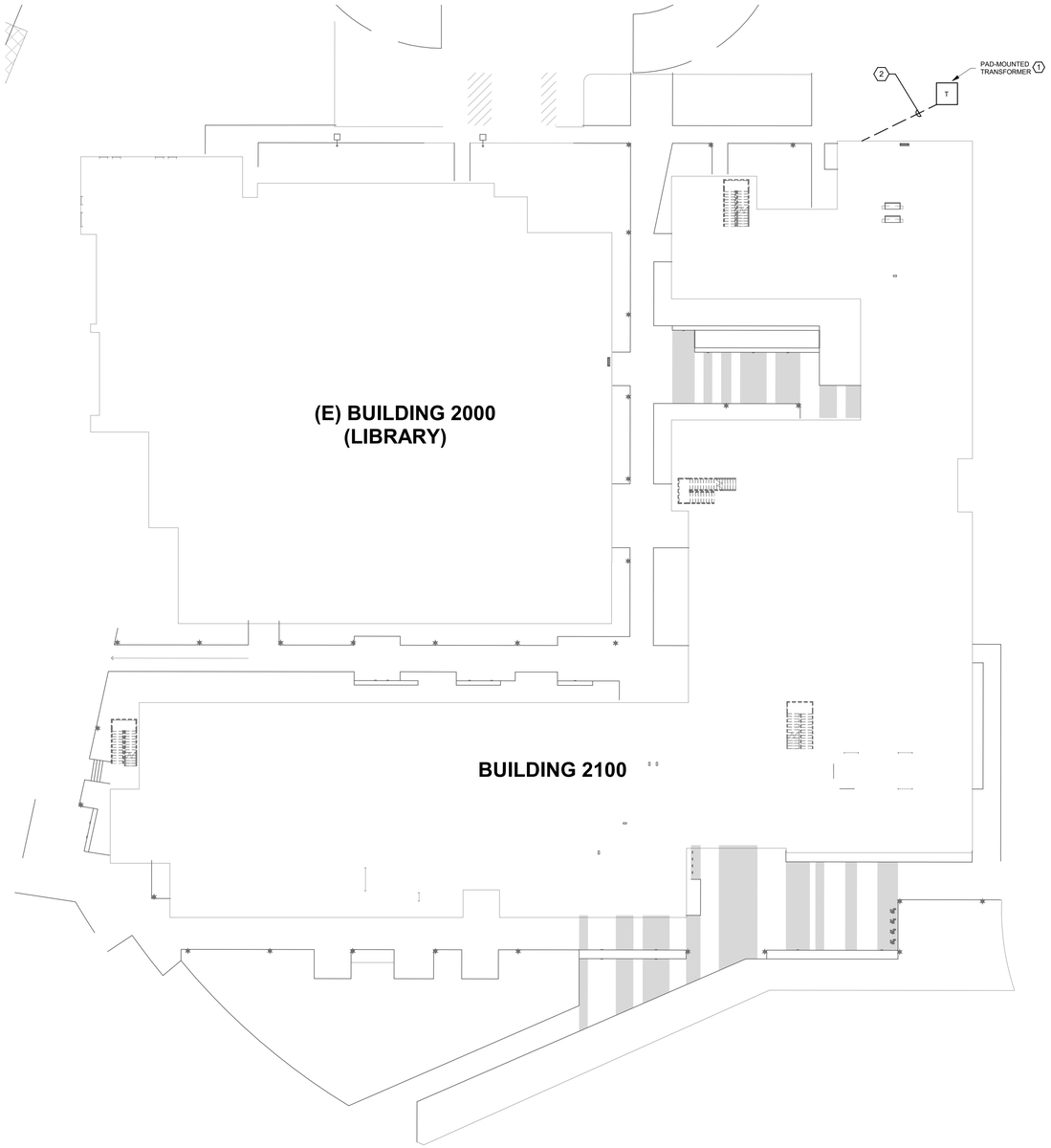
E0.02

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

DESIGN DEVELOPMENT SET

SHEET KEYNOTES

1. DEMOLISH (E) TRANSFORMER AND PAD AND PROVIDE (N) 93"X90" CONCRETE PAD. REUSE EXISTING MEDIUM VOLTAGE FEEDERS AND CONNECT TO NEW TRANSFORMER.
2. SECONDARY CONDUCTORS. REFER TO SINGLE LINE DIAGRAM FOR MORE INFORMATION.

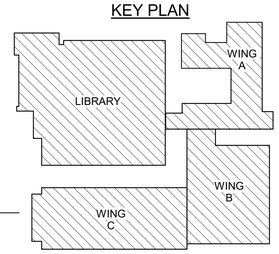


1 OVERALL SITE PLAN - ELECTRICAL

0' 20' 40'

1" = 20'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

WESLEY LAU REGISTERED PROFESSIONAL ENGINEER ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

OVERALL SITE PLAN - ELECTRICAL

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E1.00

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

A. COORDINATE DEMOLITION WORK WITH ARCHITECTURAL DRAWINGS PRIOR TO COMMENCEMENT OF WORK.

B. MAINTAIN IN OPERATION EXISTING SYSTEMS NOT INDICATED FOR REMOVAL IN CONSTRUCTION DOCUMENTS.

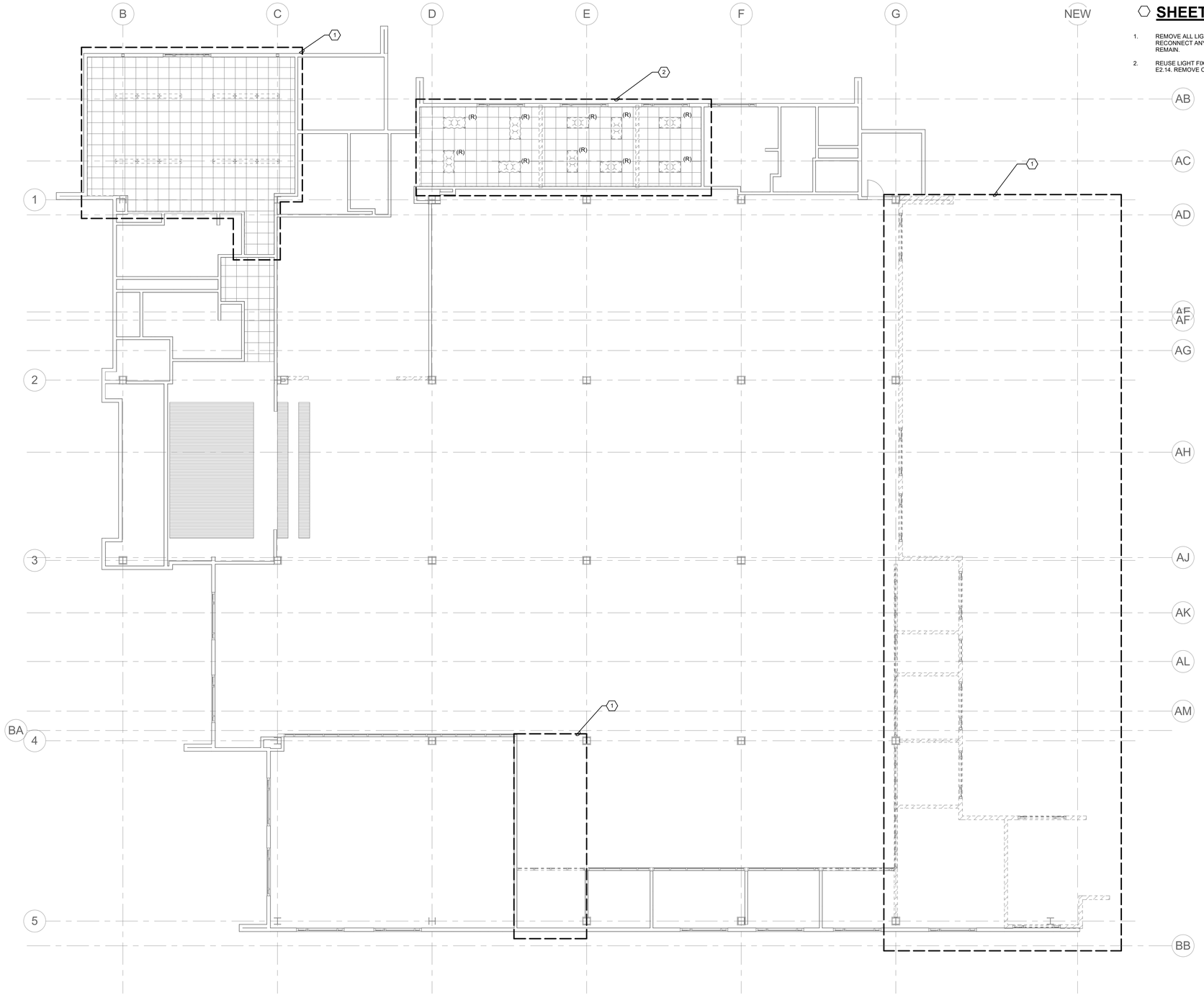
C. PROVIDE UPDATED PANEL SCHEDULES THAT VERIFY EXISTING CIRCUITS AND NUMBER OF SPARE CIRCUITS AVALIABLE UPON COMPLETION OF DEMOLITION WORK.

D. OBTAIN COPY OF EXISTING RECORD DRAWINGS PRIOR TO BID.

SHEET KEYNOTES

1. REMOVE ALL LIGHTING AND LIGHTING CONTROLS IN THIS AREA. RECONNECT ANY WIRING THAT SERVES ADJACENT LIGHTING TO REMAIN.

2. REUSE LIGHT FIXTURES AS SHOWN ON NEW LIGHTING PLAN E2.14. REMOVE CONTROLS.



1 DEMOLITION - 1ST FLOOR SECTOR 4 - LIGHTING

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

DEMOLITION - 1ST FLOOR SECTOR 4 - LIGHTING

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

ED2.54

DESIGN DEVELOPMENT SET

INTERFACE ENGINEERING

PROJECT 2019-0076

CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

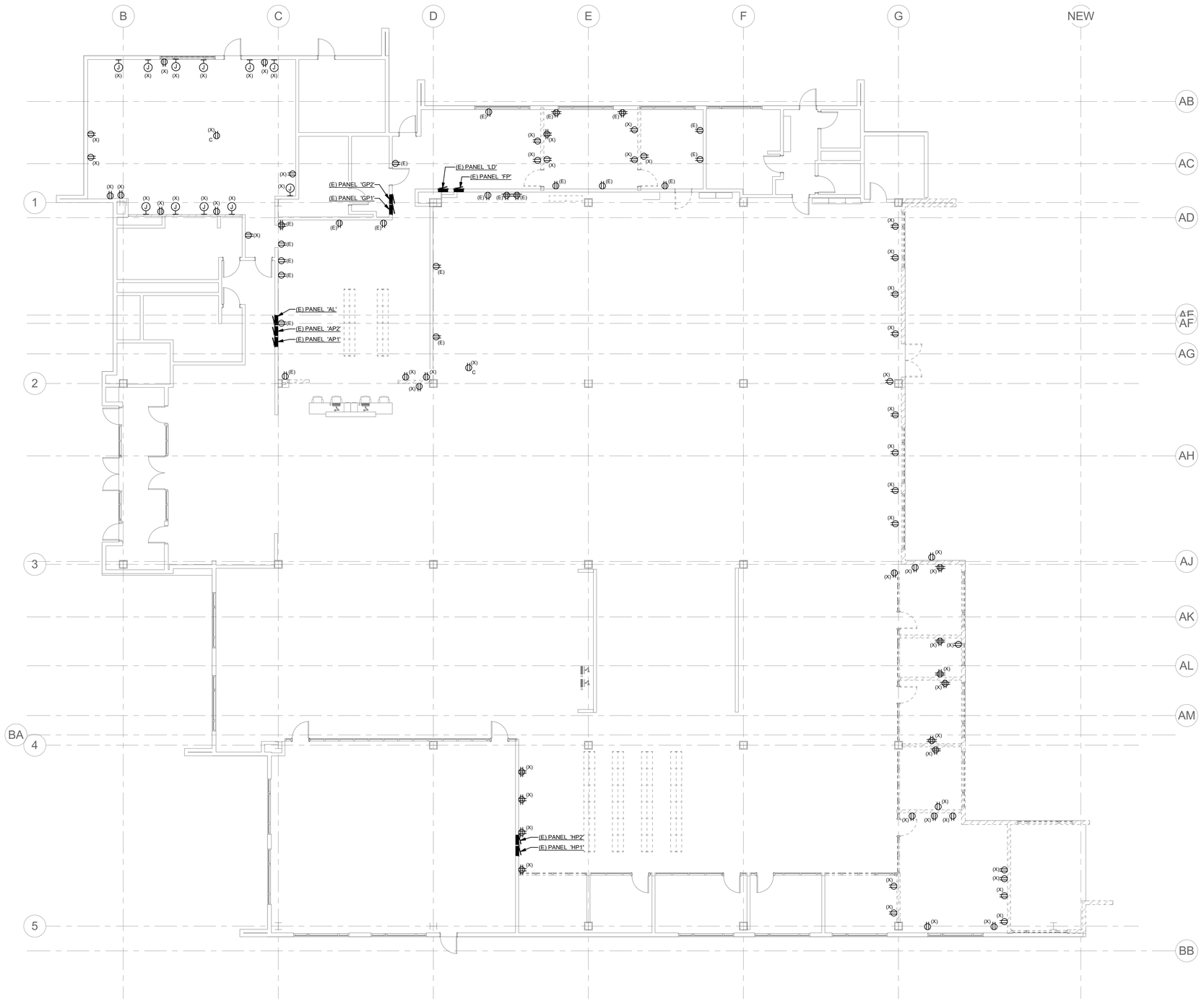
GENERAL SHEET NOTES

A. COORDINATE DEMOLITION WORK WITH ARCHITECTURAL DRAWINGS PRIOR TO COMMENCEMENT OF WORK.

B. MAINTAIN IN OPERATION EXISTING SYSTEMS NOT INDICATED FOR REMVOAL IN CONSTRUCTION DOCUMENTS.

C. PROVIDE UPDATED PANEL SCHEDULES THAT IDENTIFY EXISTING CIRCUITS AND NUMBER OF SPACE CIRCUITS AVAILABLE UPON COMPLETION OF DEMOLITION WORK.

D. OBTAIN COPY OF EXISTING RECORD DRAWINGS PRIOR TO BID.



1 DEMOLITION - 1ST FLOOR SECTOR 4 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED F FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

DEMOLITION - 1ST FLOOR SECTOR 4 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

ED3.54

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.

B. PROVIDE ALLOWANCES FOR EMERGENCY LIGHTING ALONG EGRESS PATHS AS INDICATED ON ARCHITECTURAL LIFE SAFETY PLANS. PROVIDE ALLOWANCE FOR EMERGENCY LIGHTING RELAY, ONE PER SWITCH LEG WITHIN ROOM SPACE AND/OR AREA WITH EMERGENCY LIGHTING.

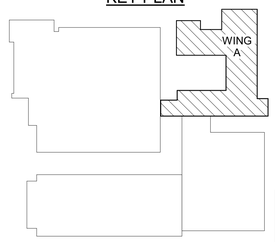
C. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.02 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.

1 FIRST FLOOR PLAN - SECTOR 1 - LIGHTING

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

FIRST FLOOR PLAN - SECTOR 1 - LIGHTING

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E2.11

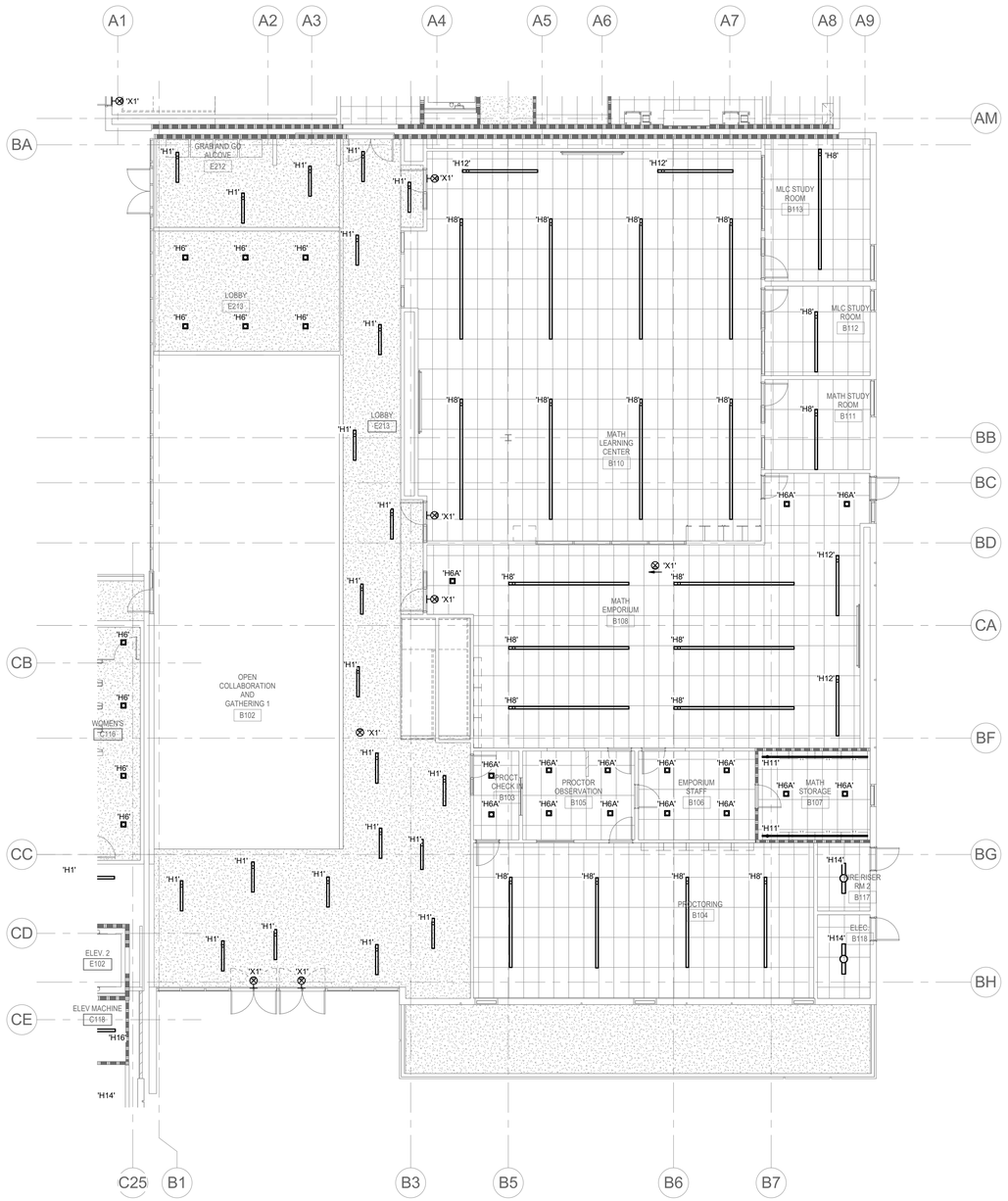
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.

B. PROVIDE ALLOWANCES FOR EMERGENCY LIGHTING ALONG EGRESS PATHS AS INDICATED ON ARCHITECTURAL LIFE SAFETY PLANS. PROVIDE ALLOWANCE FOR EMERGENCY LIGHTING RELAY, ONE PER SWITCH LEG WITHIN ROOM SPACE AND/OR AREA WITH EMERGENCY LIGHTING.

C. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.02 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.



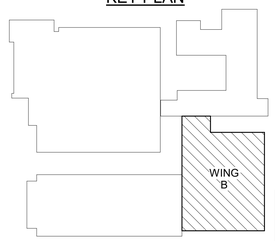
1 FIRST FLOOR PLAN - SECTOR 2 - LIGHTING

NORTH

6' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

FIRST FLOOR PLAN - SECTOR 2 - LIGHTING

PROJECT NO: 863-0004

DATE: 11-07-19

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

E2.12

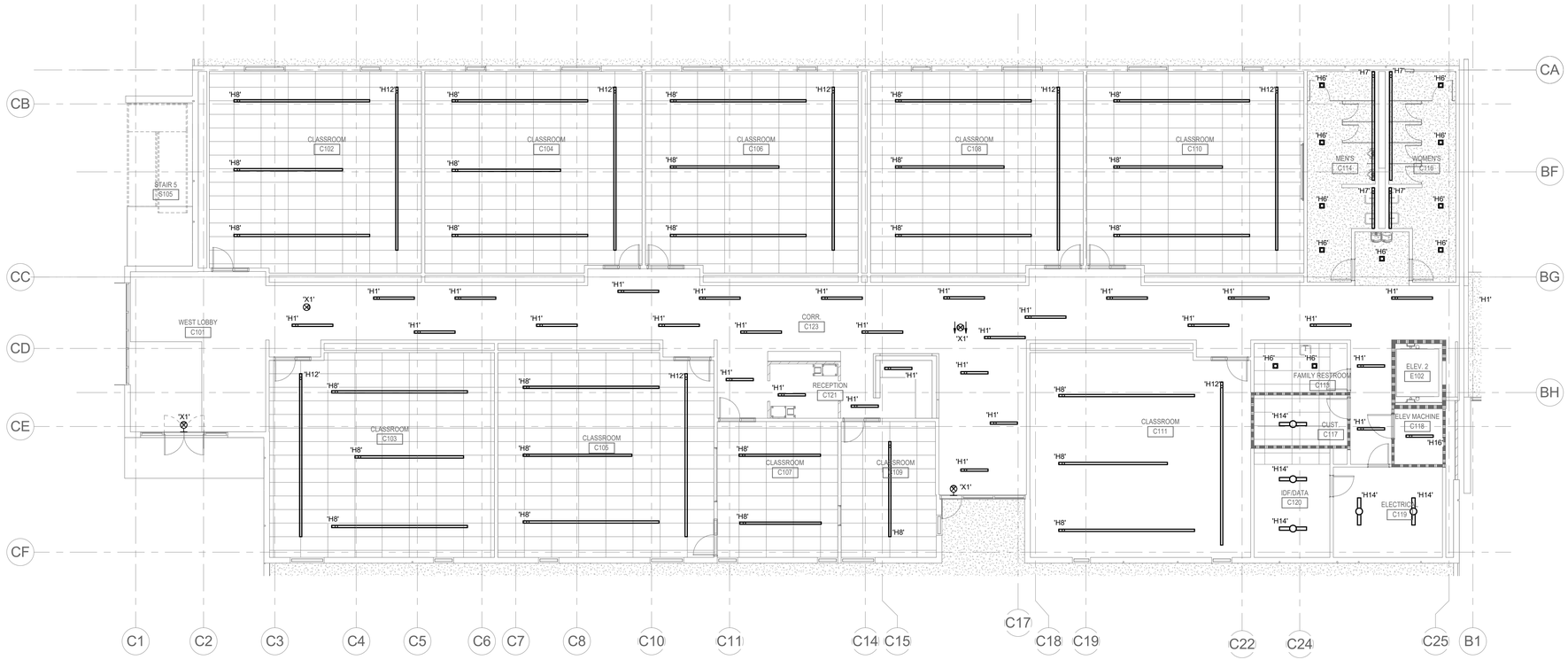
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.

B. PROVIDE ALLOWANCES FOR EMERGENCY LIGHTING ALONG EGRESS PATHS AS INDICATED ON ARCHITECTURAL LIFE SAFETY PLANS. PROVIDE ALLOWANCE FOR EMERGENCY LIGHTING RELAY, ONE PER SWITCH LEG WITHIN ROOM SPACE AND/OR AREA WITH EMERGENCY LIGHTING.

C. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.02 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.



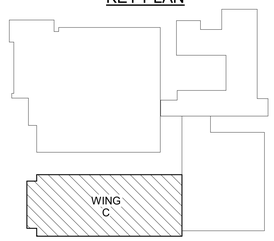
1 FIRST FLOOR PLAN - SECTOR 3 - LIGHTING

NORTH

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

FIRST FLOOR PLAN - SECTOR 3 - LIGHTING

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E2.13

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

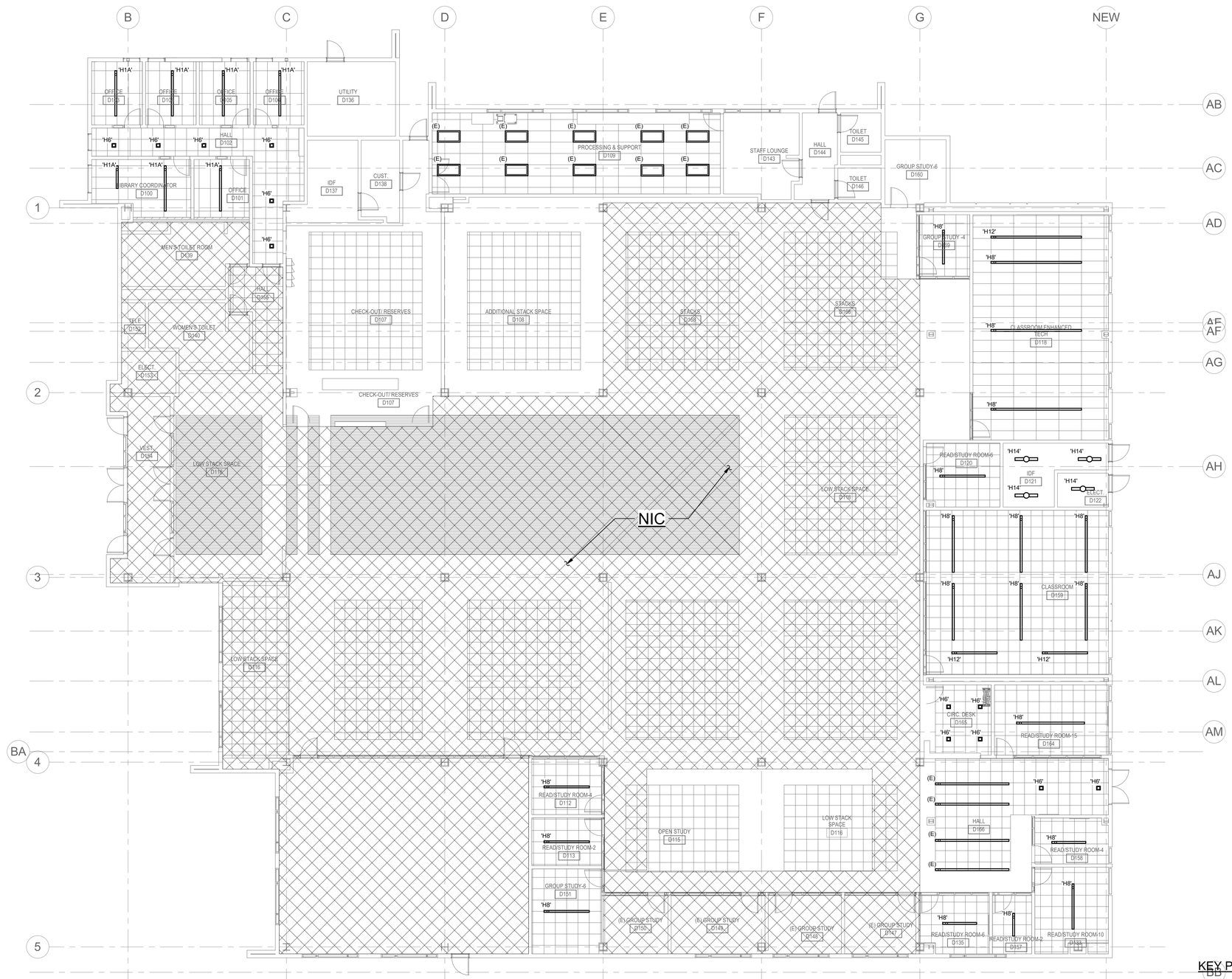
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

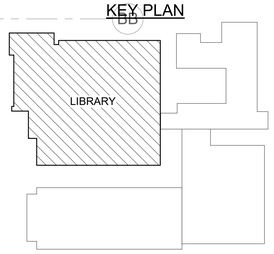
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.

B. PROVIDE ALLOWANCES FOR EMERGENCY LIGHTING ALONG EGRESS PATHS AS INDICATED ON ARCHITECTURAL LIFE SAFETY PLANS. PROVIDE ALLOWANCE FOR EMERGENCY LIGHTING RELAY, ONE PER SWITCH LEG WITHIN ROOM SPACE AND/OR AREA WITH EMERGENCY LIGHTING.

C. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.02 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.



KEY PLAN



1 FIRST FLOOR PLAN - SECTOR 4 - LIGHTING

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

FIRST FLOOR PLAN - SECTOR 4 - LIGHTING

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E2.14

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

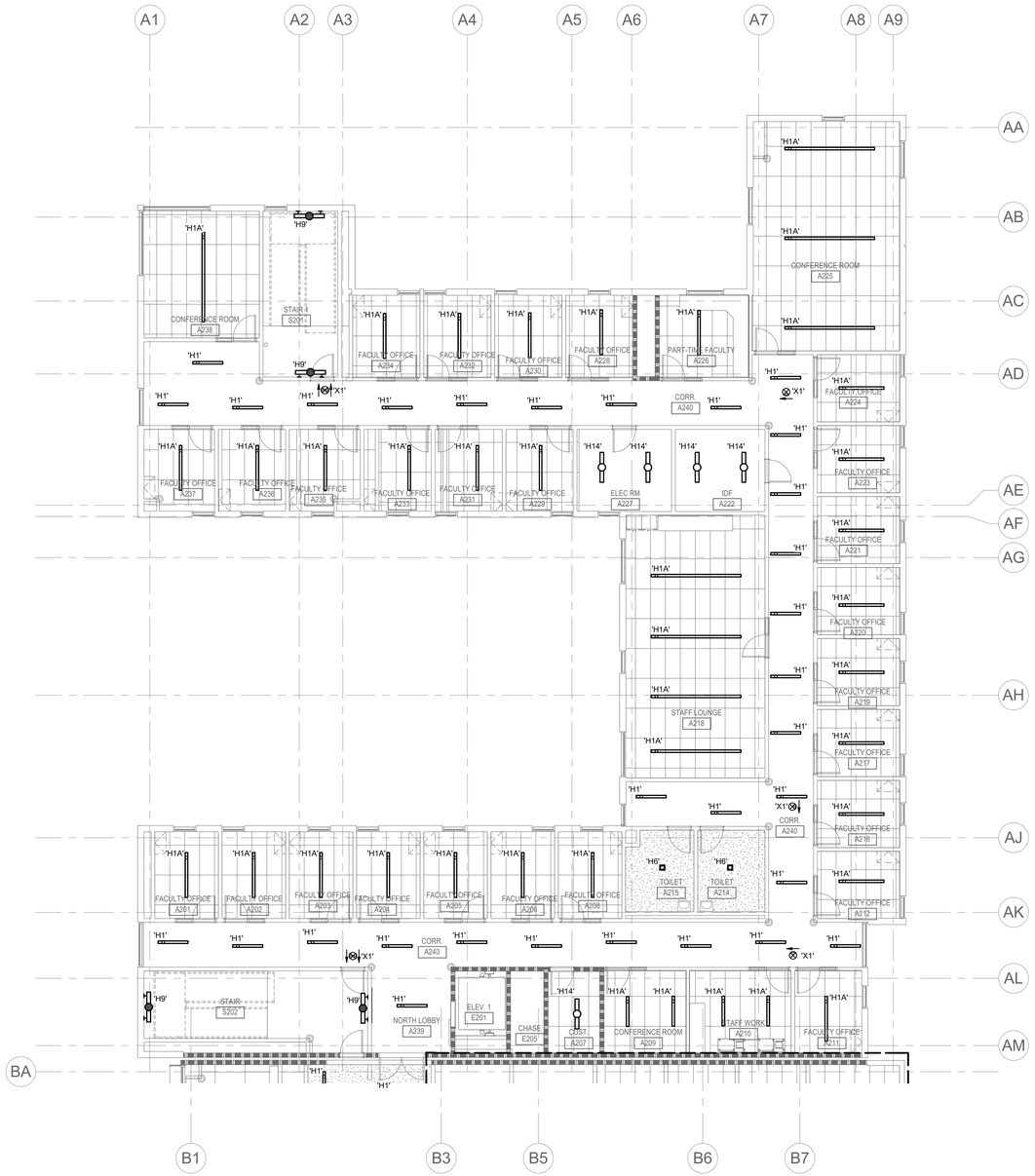
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

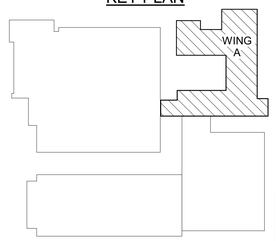
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.

B. PROVIDE ALLOWANCES FOR EMERGENCY LIGHTING ALONG EGRESS PATHS AS INDICATED ON ARCHITECTURAL LIFE SAFETY PLANS. PROVIDE ALLOWANCE FOR EMERGENCY LIGHTING RELAY, ONE PER SWITCH LEG WITHIN ROOM SPACE AND/OR AREA WITH EMERGENCY LIGHTING.

C. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.02 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.



KEY PLAN



1 SECOND FLOOR PLAN - SECTOR 1 - LIGHTING

0' 4' 8' 16'
1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

SECOND FLOOR PLAN - SECTOR 1 - LIGHTING

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

E2.21

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

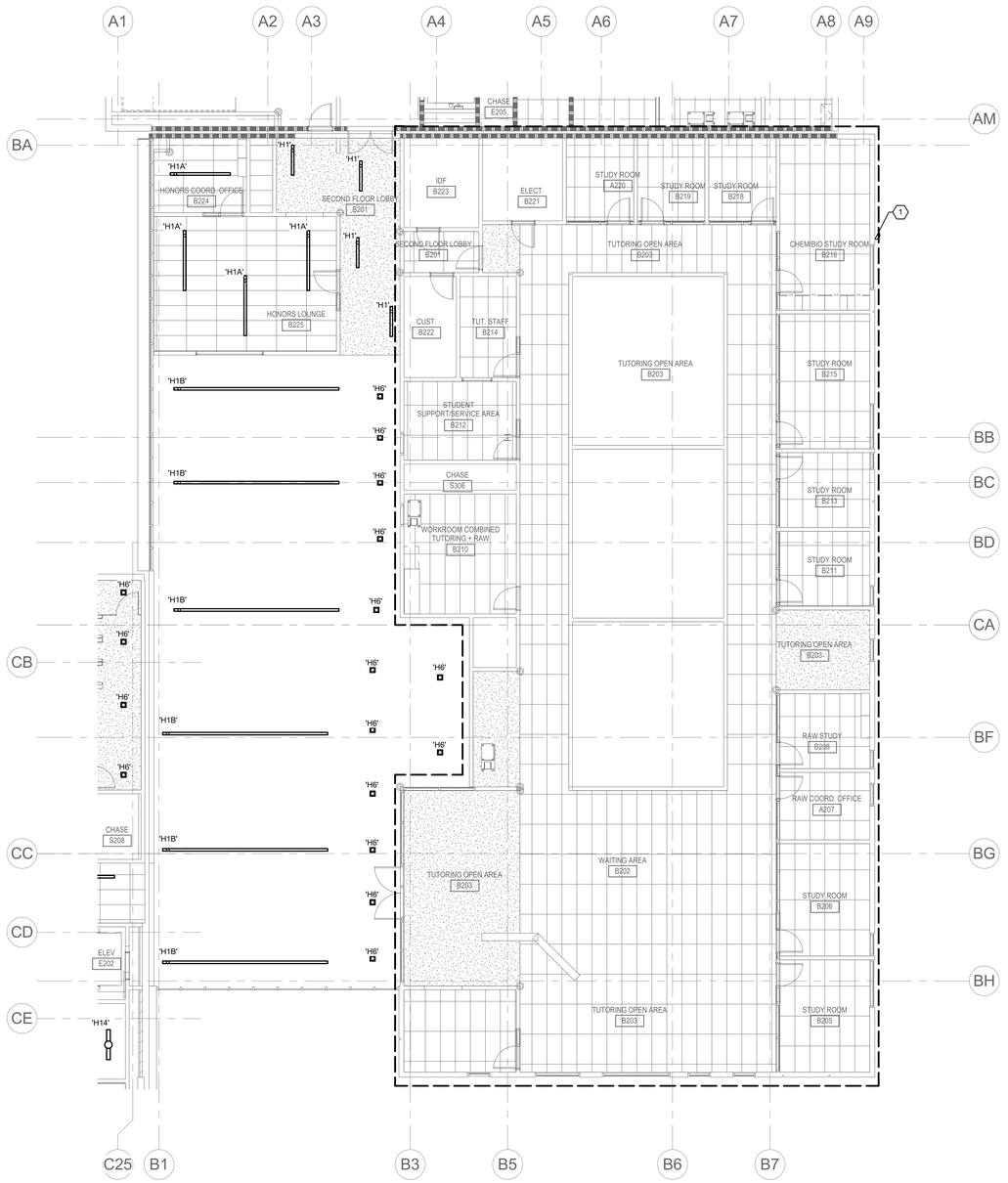
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.

B. PROVIDE ALLOWANCES FOR EMERGENCY LIGHTING ALONG EGRESS PATHS AS INDICATED ON ARCHITECTURAL LIFE SAFETY PLANS. PROVIDE ALLOWANCE FOR EMERGENCY LIGHTING RELAY, ONE PER SWITCH LEG WITHIN ROOM SPACE AND/OR AREA WITH EMERGENCY LIGHTING.

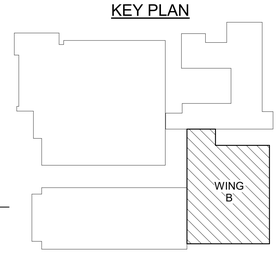
C. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.02 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.

SHEET KEYNOTES

1. AREA ON HOLD TO BE DEVELOPED FURTHER. ALLOW FOR APPROXIMATE $/SFT BASED ON OTHER CLASSROOM AREAS.



KEY PLAN



1 SECOND FLOOR PLAN - SECTOR 2 - LIGHTING

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE TITLE BLOCK. IT SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

WESLEY LAU REGISTERED PROFESSIONAL ENGINEER ELECTRICAL STATE OF CALIFORNIA

SECOND FLOOR PLAN - SECTOR 2 - LIGHTING

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E2.22

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

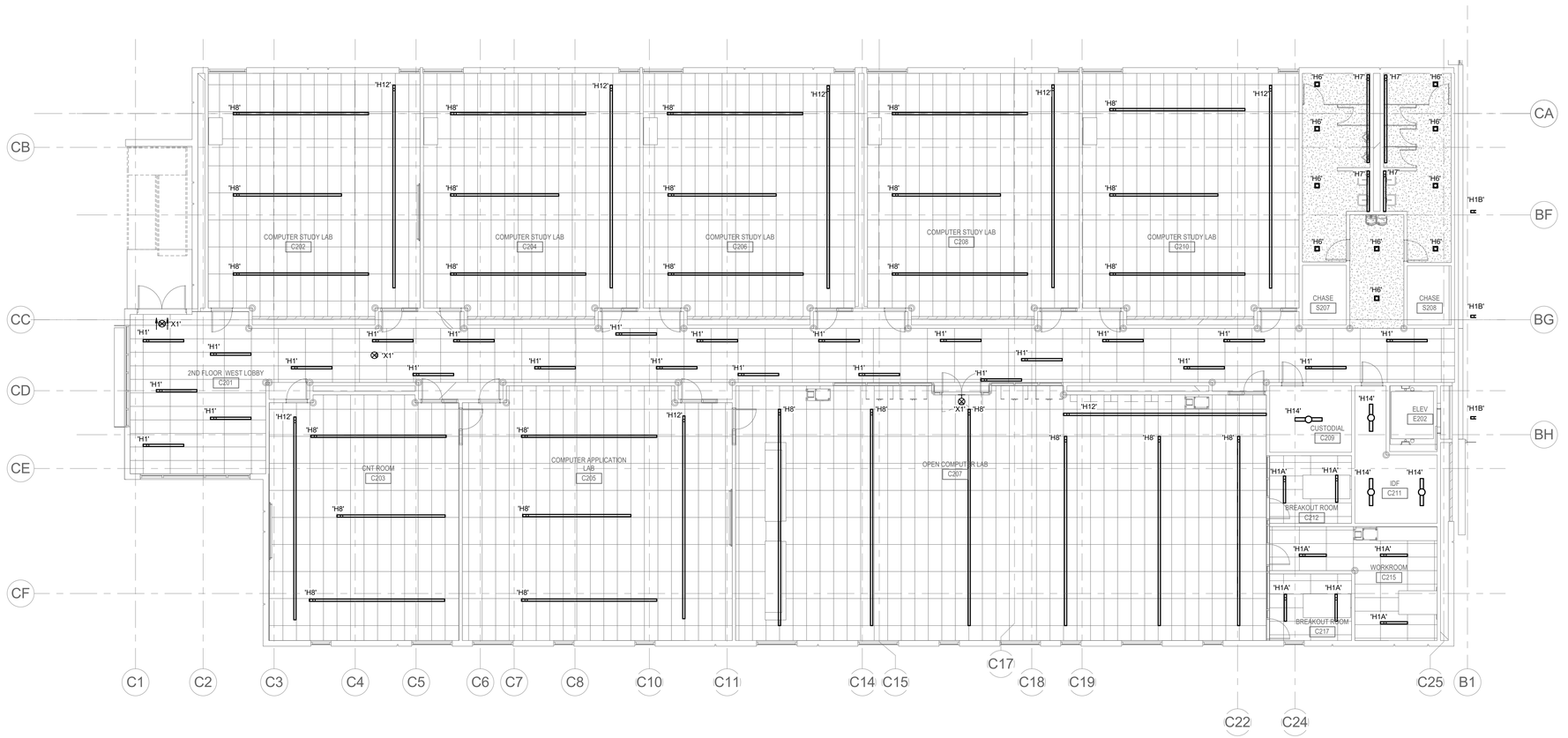
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

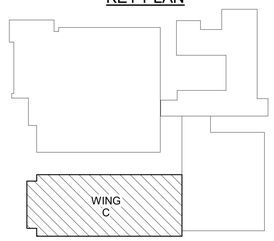
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.

B. PROVIDE ALLOWANCES FOR EMERGENCY LIGHTING ALONG EGRESS PATHS AS INDICATED ON ARCHITECTURAL LIFE SAFETY PLANS. PROVIDE ALLOWANCE FOR EMERGENCY LIGHTING RELAY, ONE PER SWITCH LEG WITHIN ROOM SPACE AND/OR AREA WITH EMERGENCY LIGHTING.

C. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.02 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.



KEY PLAN



1 SECOND FLOOR PLAN - SECTOR 3 - LIGHTING

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

SECOND FLOOR PLAN - SECTOR 3 - LIGHTING

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E2.23

INTERFACE ENGINEERING

PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

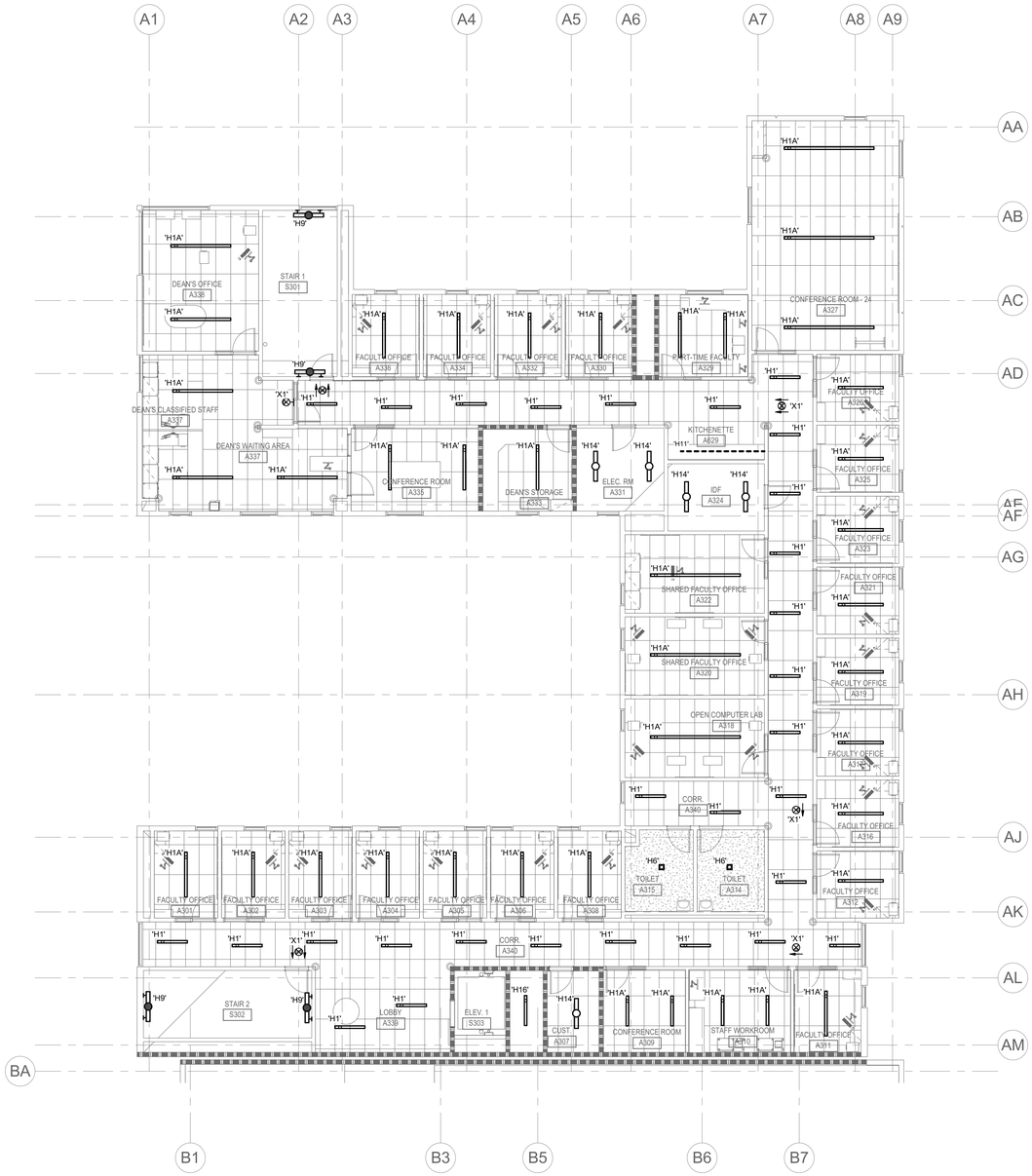
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF LUMINAIRES AND LIGHTING CONTROLS WITH ARCHITECT PRIOR TO INSTALLATION.

B. PROVIDE ALLOWANCES FOR EMERGENCY LIGHTING ALONG EGRESS PATHS AS INDICATED ON ARCHITECTURAL LIFE SAFETY PLANS. PROVIDE ALLOWANCE FOR EMERGENCY LIGHTING RELAY, ONE PER SWITCH LEG WITHIN ROOM SPACE AND/OR AREA WITH EMERGENCY LIGHTING.

C. REFER TO LIGHTING CONTROL MATRIX ON SHEET E0.02 FOR ADDITIONAL INFORMATION ON THE TYPE OF CONTROLS TO BE PROVIDED FOR EACH SPACE TYPE.

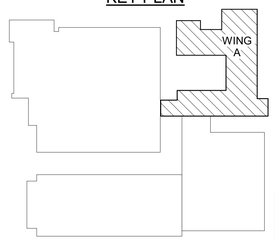


1 THIRD FLOOR PLAN - SECTOR 1 - LIGHTING

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

THIRD FLOOR PLAN - SECTOR 1 - LIGHTING

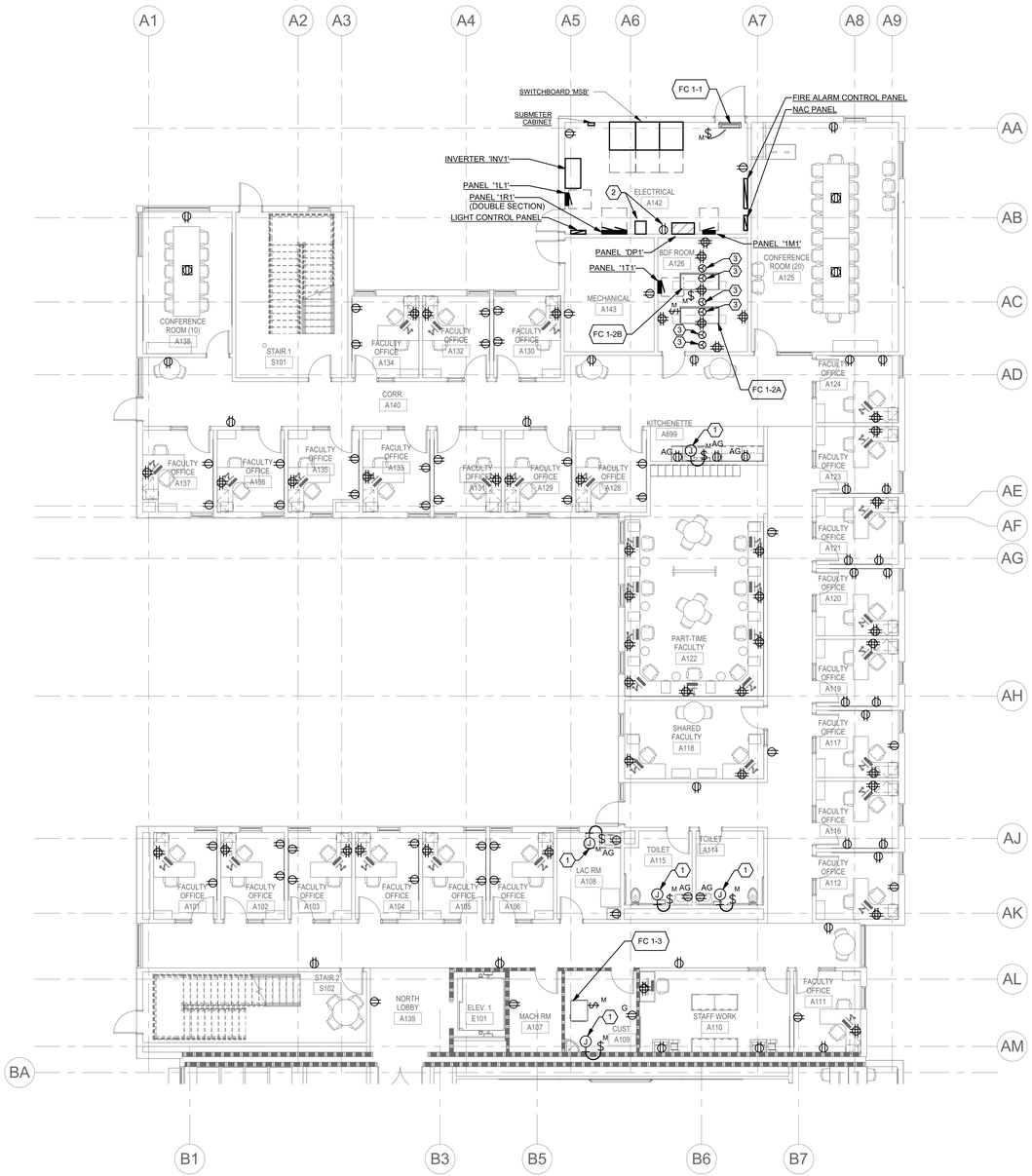
PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E2.31

DESIGN DEVELOPMENT SET



1 FIRST FLOOR PLAN - SECTOR 1 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

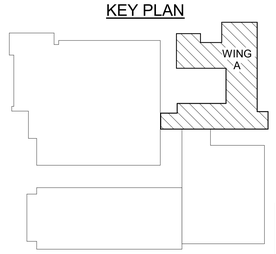
B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

SHEET KEYNOTES

1. PROVIDE DEDICATED 120V, 1PH ELETRIC TANKLESS WATER HEATER.
2. PROVIDE NEMA RECEPTACLE TO UPS POWERING BMS PANEL.
3. PROVIDE NEMA L6-20R TYPE RECEPTACLE.

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com Architecture + Design

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

PRELIMINARY

FIRST FLOOR PLAN - SECTOR 1 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E3.11

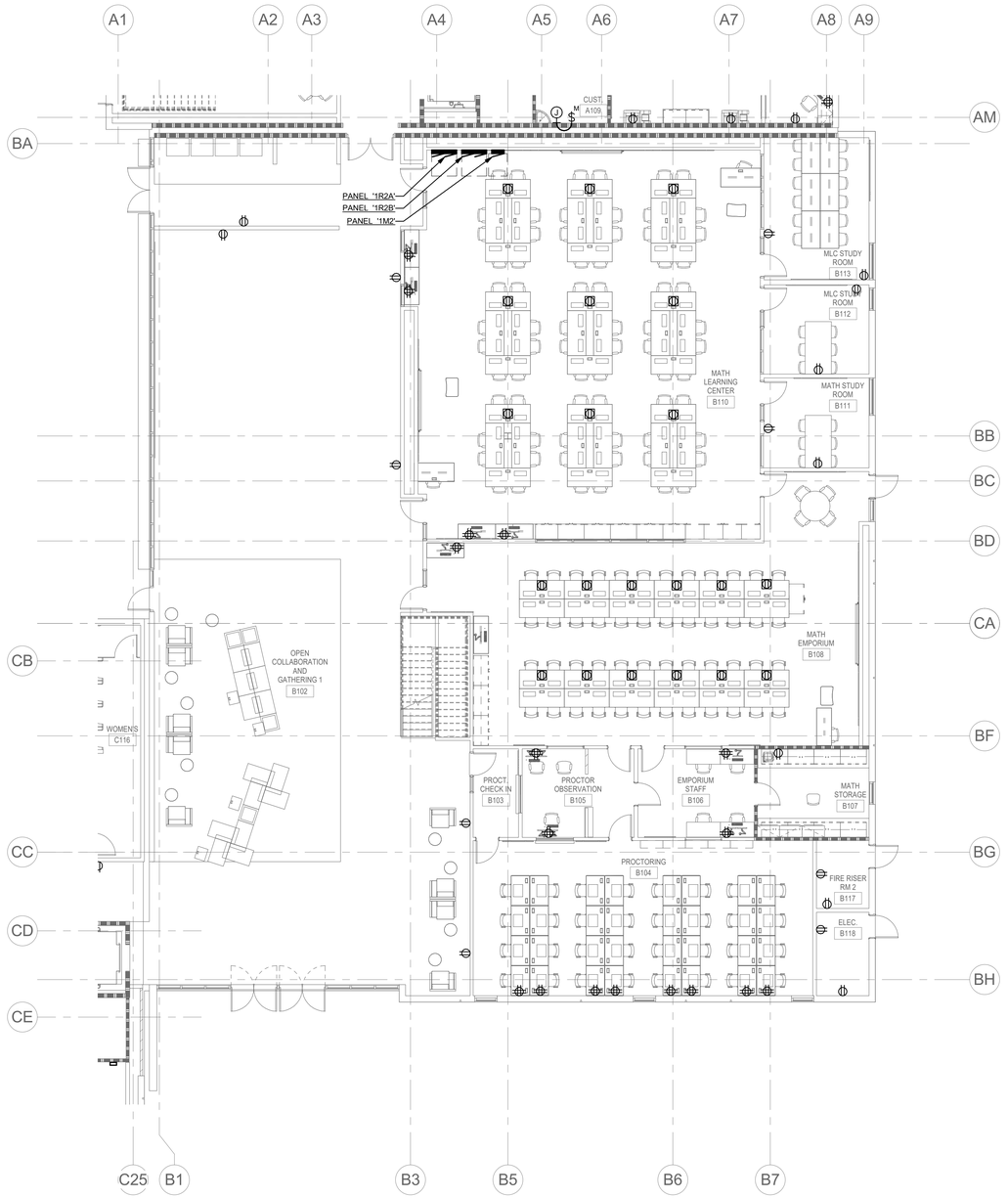
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

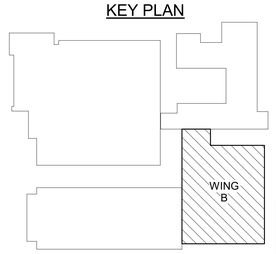


1 FIRST FLOOR PLAN - SECTOR 2 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

FIRST FLOOR PLAN - SECTOR 2 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E3.12

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

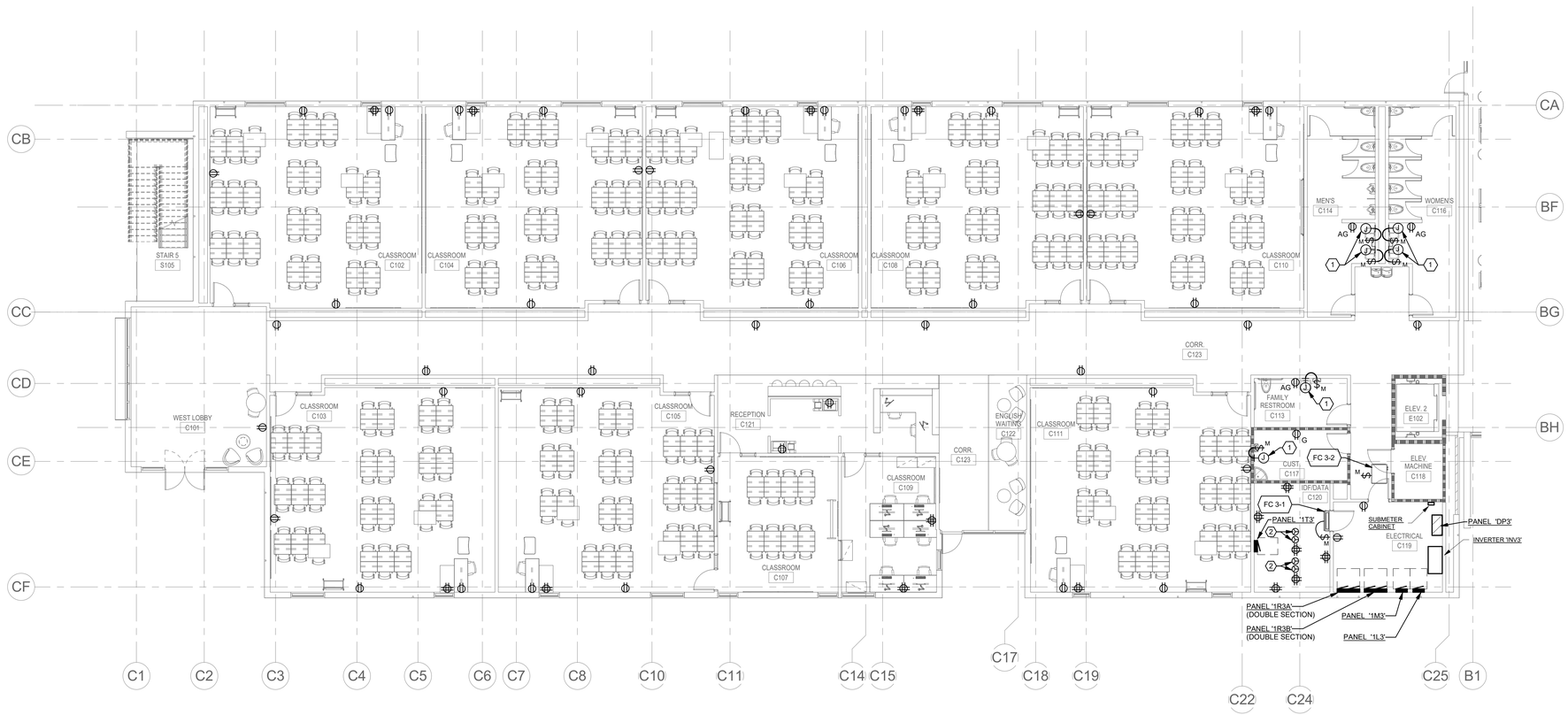
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

SHEET KEYNOTES

1. PROVIDE DEDICATED 120V, 1PH ELECTRIC TANKLESS WATER HEATER.
2. PROVIDE NEMA L6-20R TYPE RECEPTACLE.

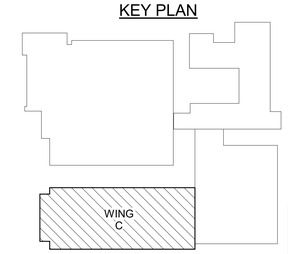


1 FIRST FLOOR PLAN - SECTOR 3 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

FIRST FLOOR PLAN - SECTOR 3 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E3.13

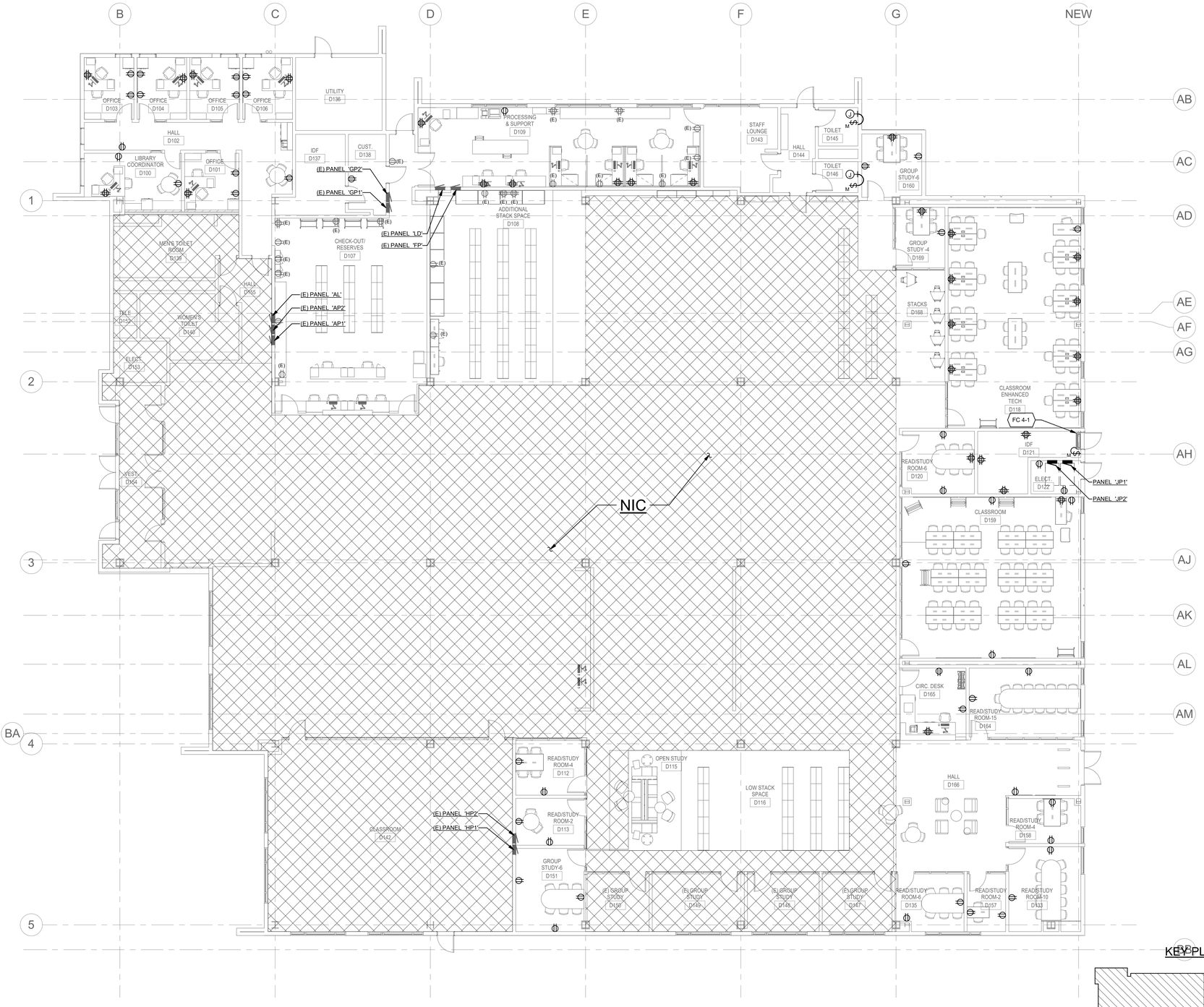
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

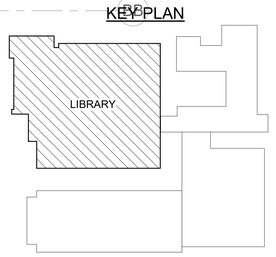
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.



KEY PLAN



1 FIRST FLOOR PLAN - SECTOR 4 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

FIRST FLOOR PLAN - SECTOR 4 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

INTERFACE ENGINEERING

PROJECT 2019-0076

CONTACT Wesley Lau

135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

SHEET NO:

E3.14

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

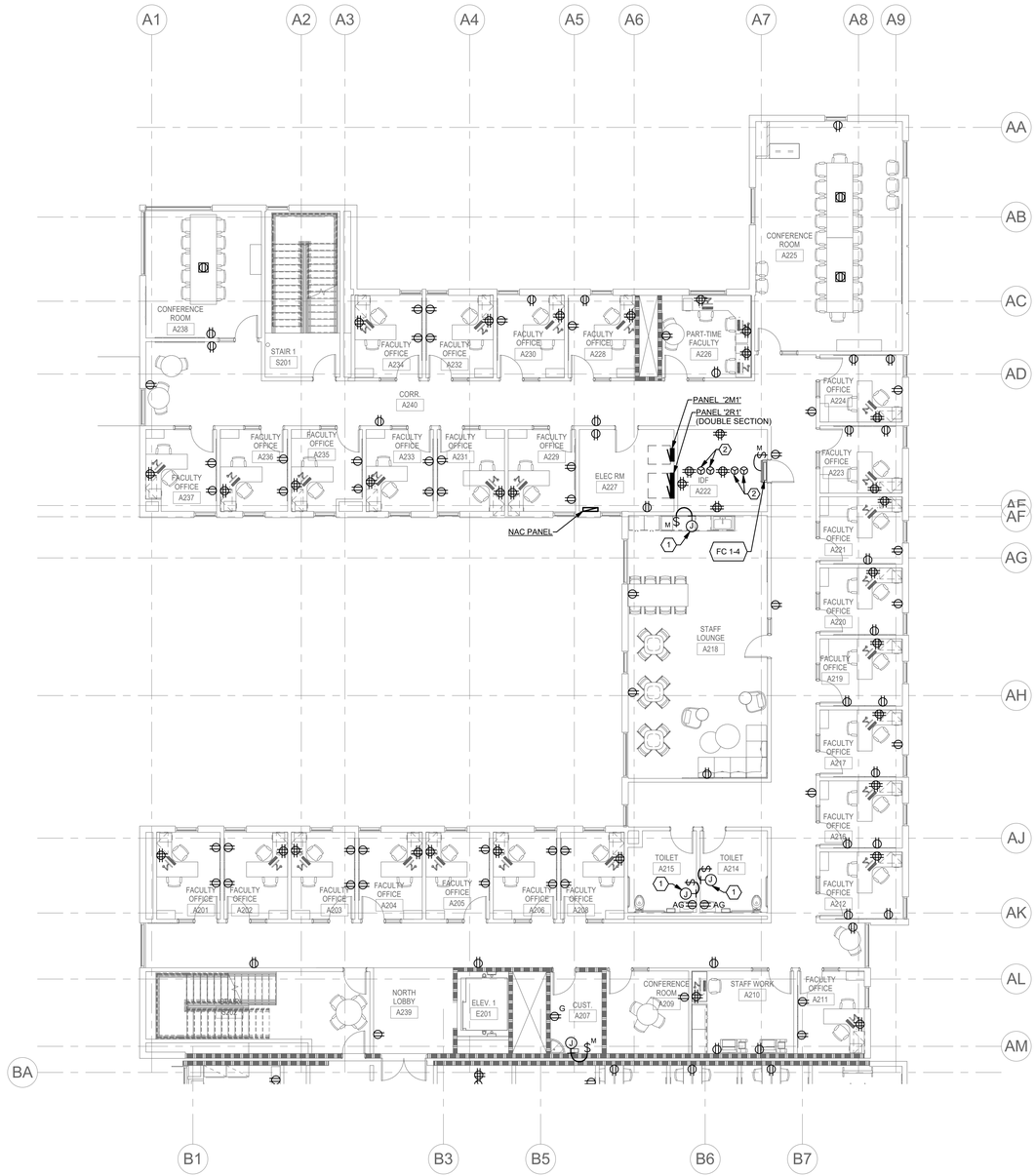
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

SHEET KEYNOTES

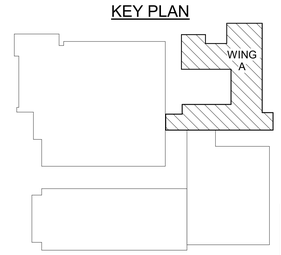
1. PROVIDE DEDICATED 120V, 1PH ELECTRIC TANKLESS WATER HEATER.
2. PROVIDE NEMA L6-20R TYPE RECEPTACLE.



1 SECOND FLOOR PLAN - SECTOR 1 - POWER

0' 4' 8' 16'
1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
155 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSES WITHOUT THE PRIOR WRITTEN CONSENT OF LPAS, INC. THE CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

SECOND FLOOR PLAN - SECTOR 1 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E3.21

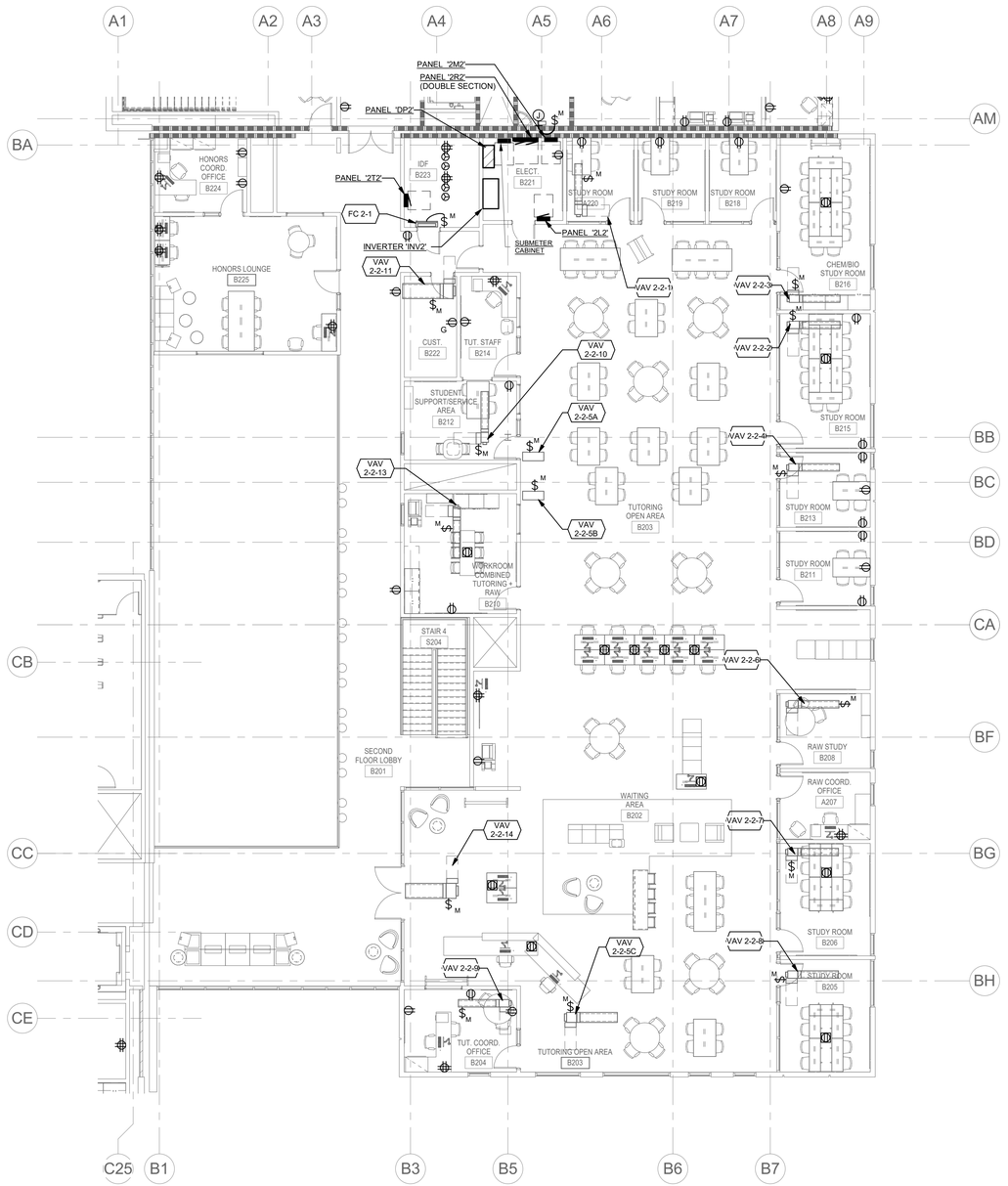
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

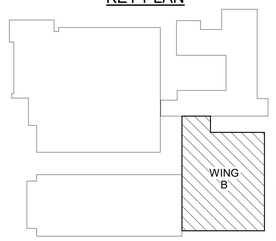


1 SECOND FLOOR PLAN - SECTOR 2 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

SECOND FLOOR PLAN - SECTOR 2 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E3.22

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

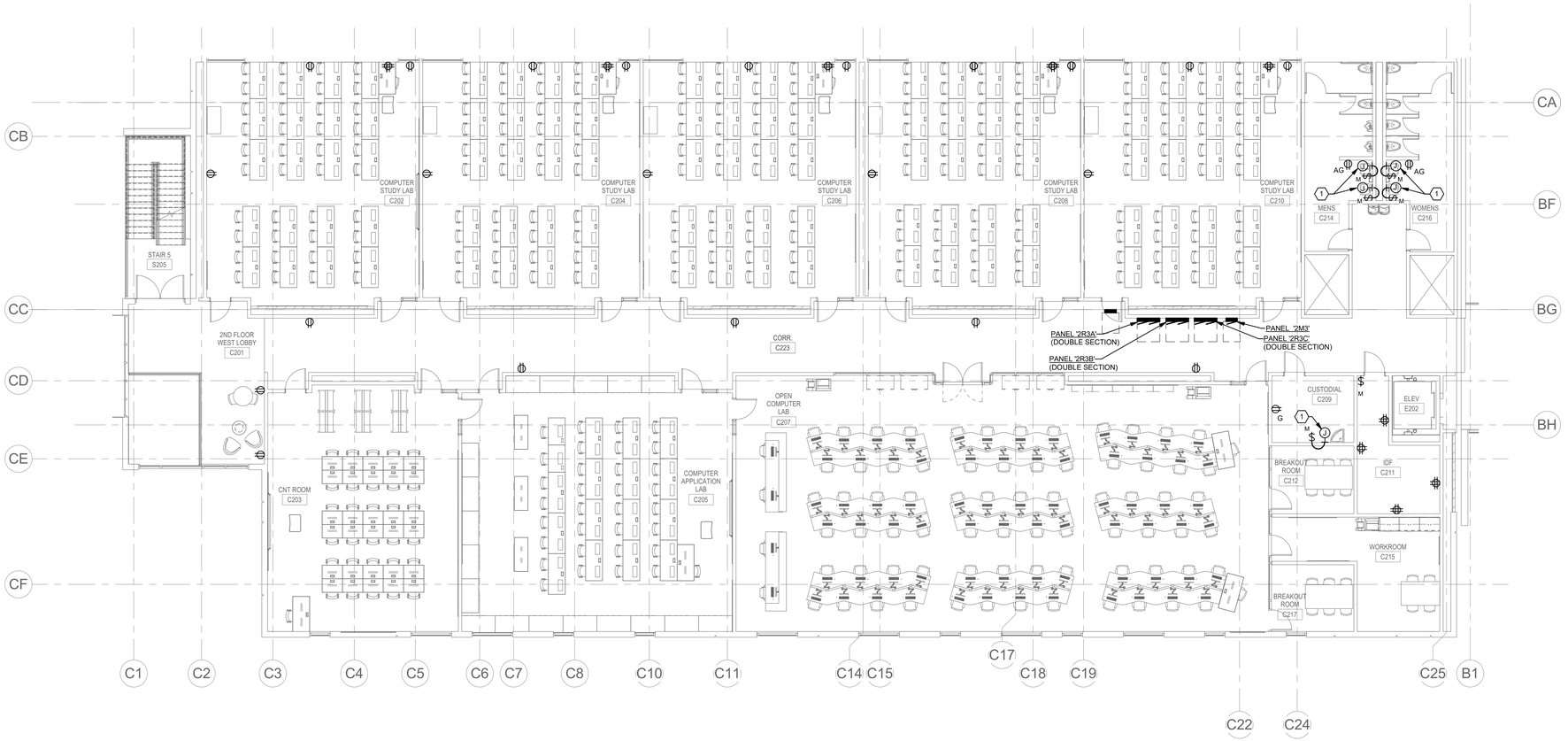
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

SHEET KEYNOTES

1. PROVIDE DEDICATED 120V, 1PH ELECTRIC TANKLESS WATER HEATER.
2. PROVIDE NEMA L6-20R TYPE RECEPTACLE.

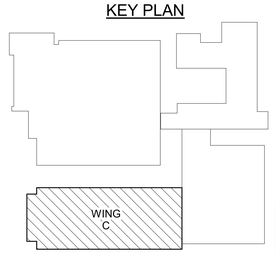


1 SECOND FLOOR PLAN - SECTOR 3 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

SECOND FLOOR PLAN - SECTOR 3 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E3.23

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

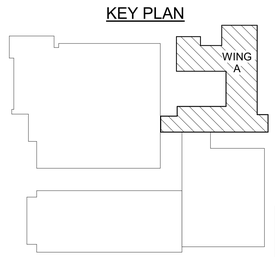
SHEET KEYNOTES

1. PROVIDE NEMA L6-20R TYPE RECEPTACLE.

1 THIRD FLOOR PLAN - SECTOR 1 - POWER

0' 4' 8' 16'
1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

THIRD FLOOR PLAN - SECTOR 1 - POWER

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

E3.31

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

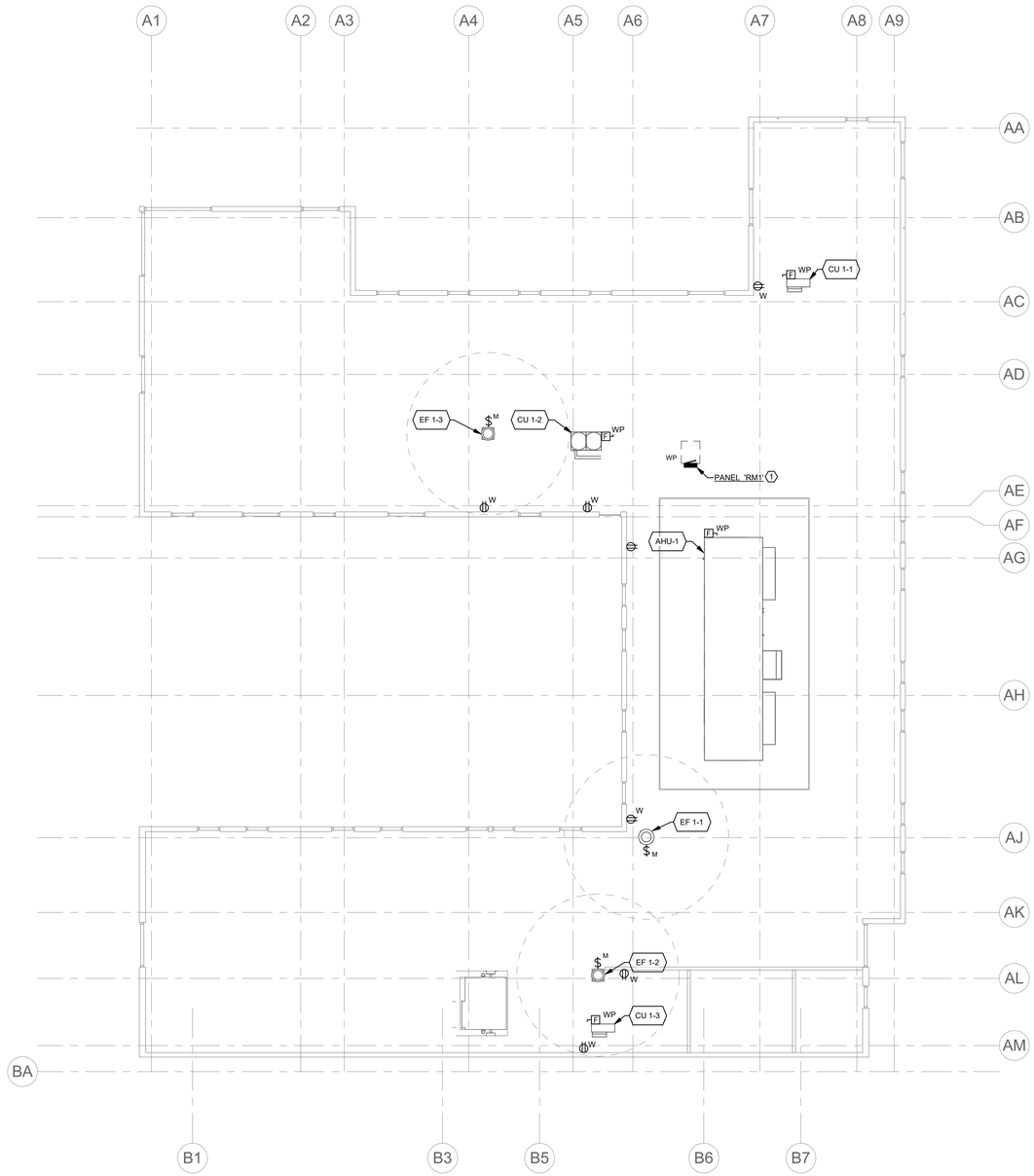
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

SHEET KEYNOTES

1. PROVIDE NEMA-3R ENCLOSURE.

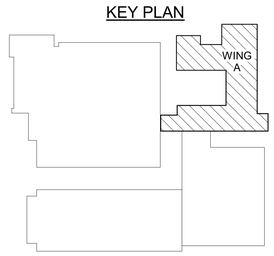


1 ROOF PLAN - SECTOR 1 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFORMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

ROOF PLAN - SECTOR 1 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E3.41

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

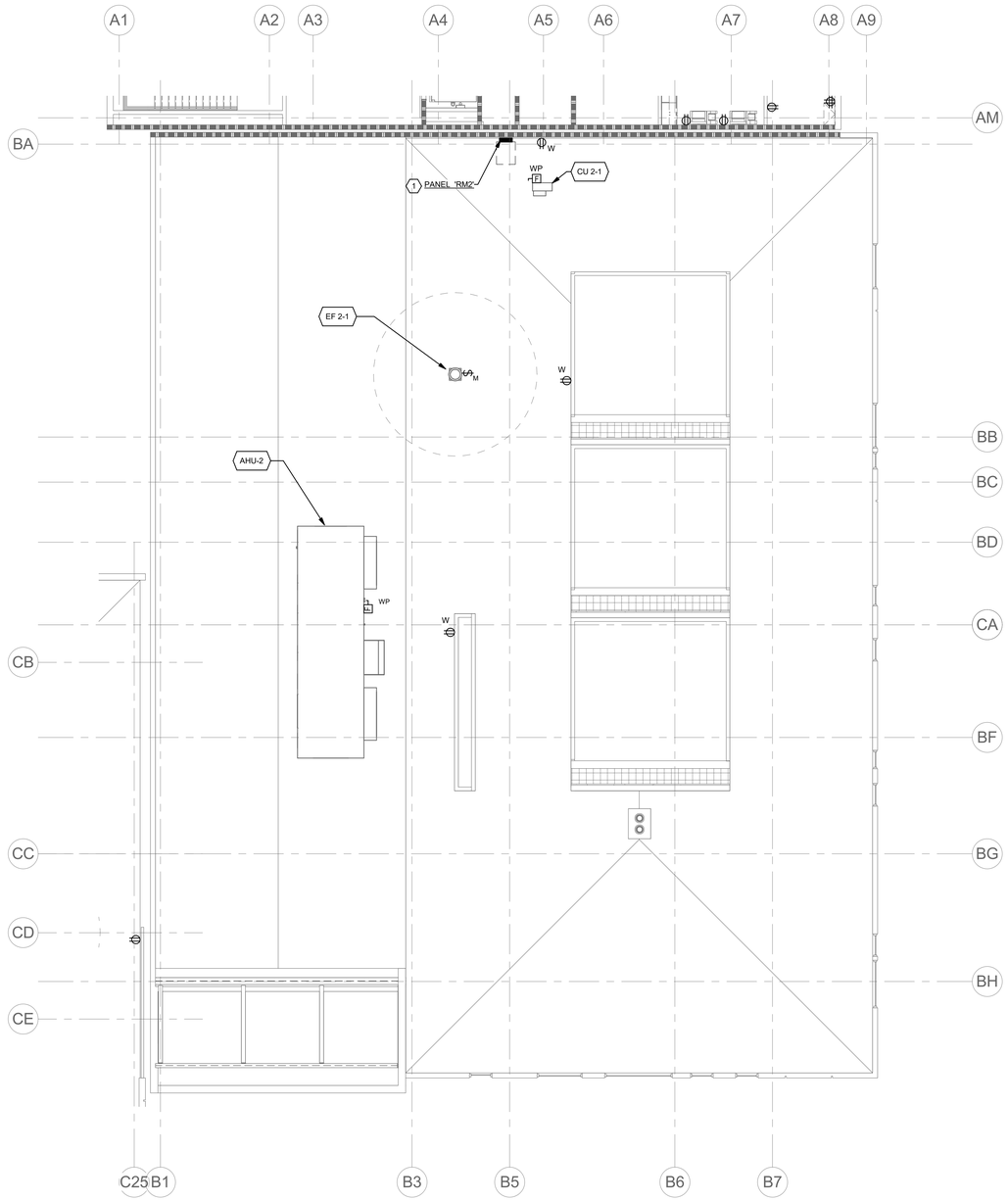
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

SHEET KEYNOTES

1. PROVIDE NEMA-3R ENCLOSURE.



1 ROOF PLAN - SECTOR 2 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN

INTERFACE ENGINEERING

PROJECT 2019-0076

CONTACT Wesley Lau

135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

ROOF PLAN - SECTOR 2 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E3.42

DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

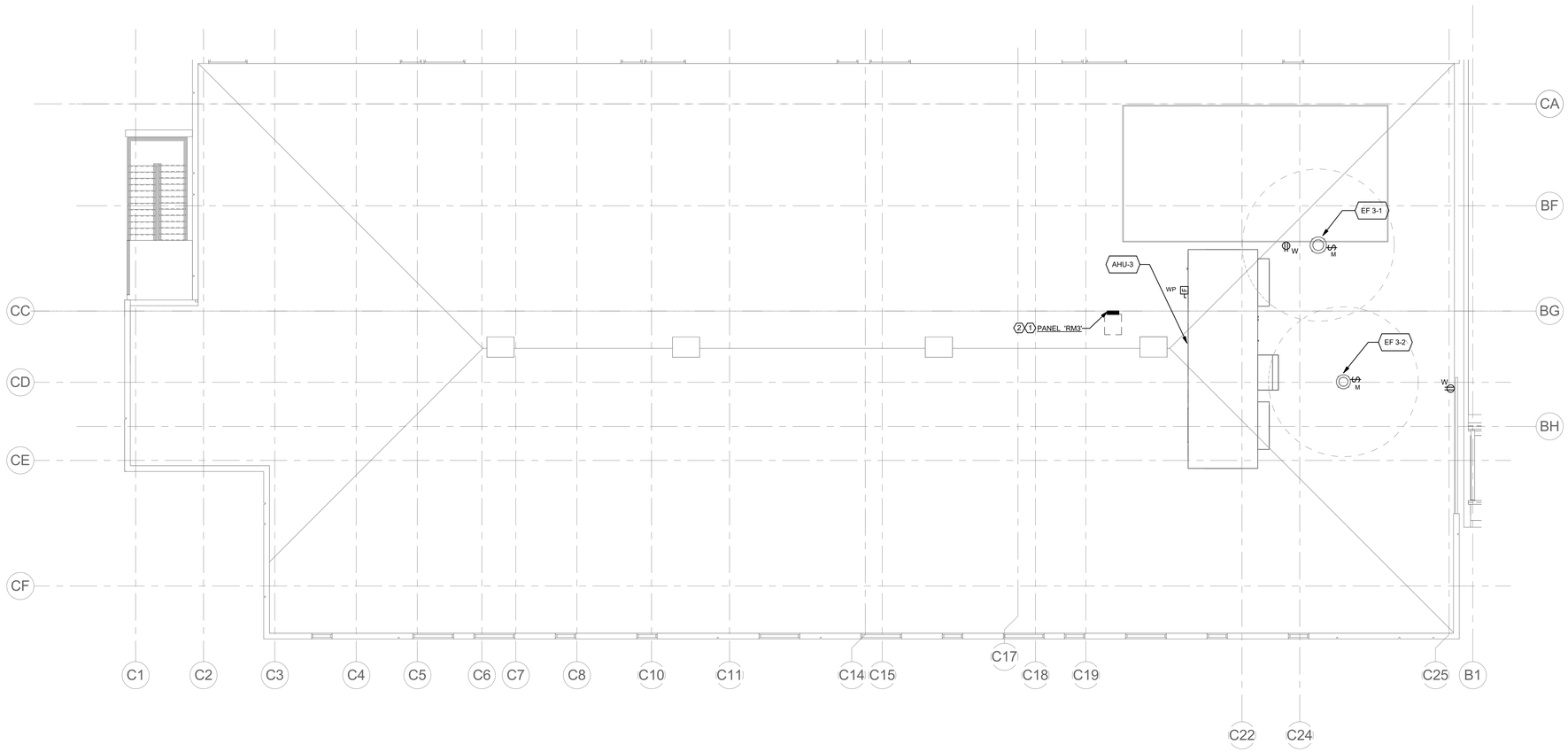
A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

SHEET KEYNOTES

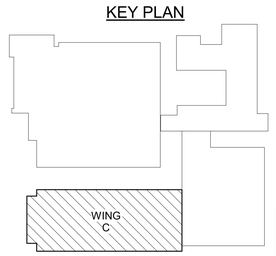
1. PROVIDE NEMA-3R ENCLOSURE.
2. PROVIDE MOUNTING SUPPORT.



1 ROOF PLAN - SECTOR 3 - POWER

0' 4' 8' 16'
1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

ROOF PLAN - SECTOR 3 - POWER

PROJECT NO: 863-0004
DATE: 11-07-19

SHEET NO:

E3.43

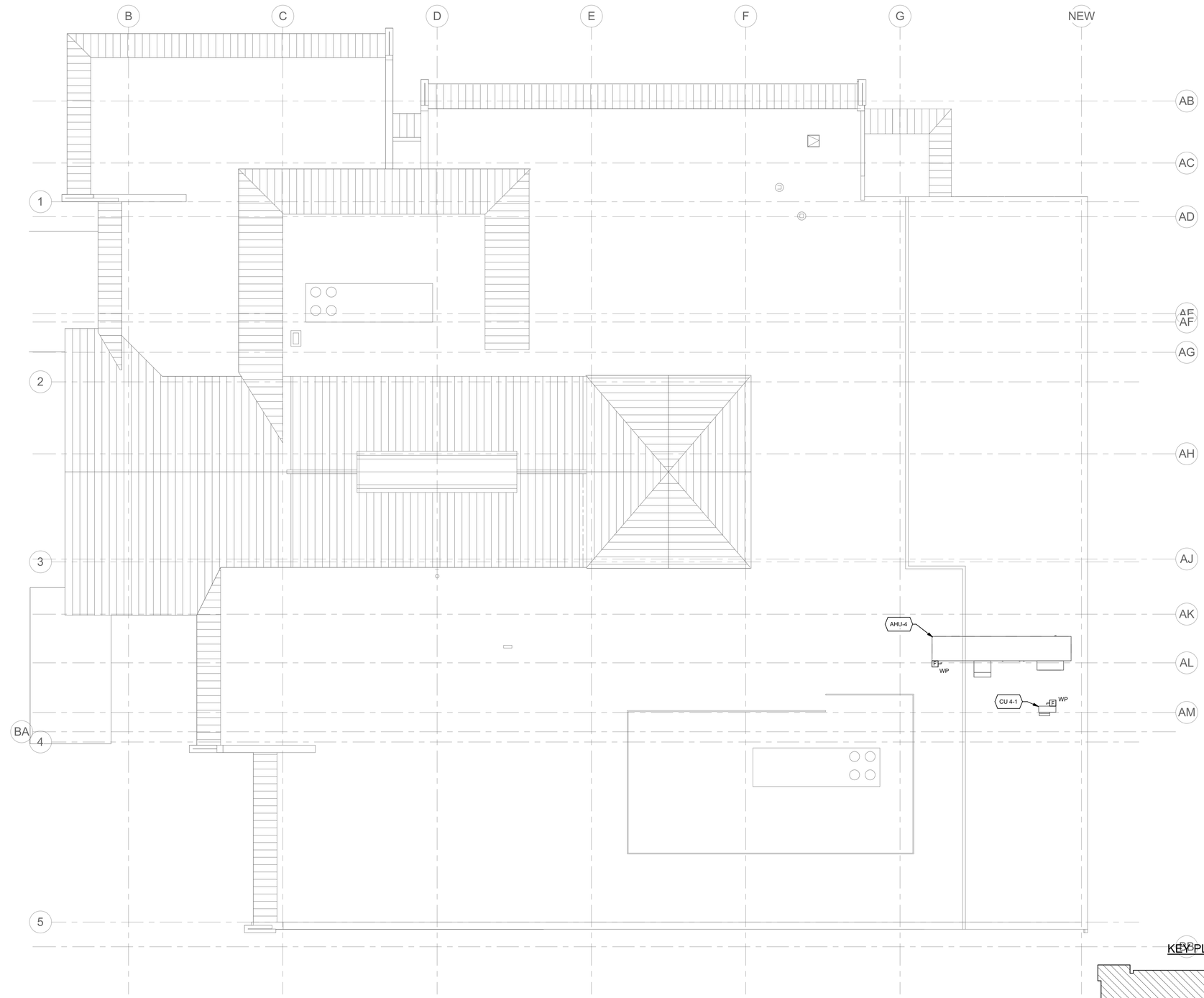
DESIGN DEVELOPMENT SET

GENERAL SHEET NOTES

A. COORDINATE EXACT LOCATION AND MOUNTING HEIGHT OF RECEPTACLES, VOICE/DATA OUTLETS AND ELECTRICAL DEVICES WITH ARCHITECT PRIOR TO INSTALLATION.

B. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF PLUMBING EQUIPMENT WITH DIVISION 22 PRIOR TO INSTALLATION.

C. COORDINATE EXACT LOCATION AND POWER REQUIREMENTS OF HVAC UNITS WITH DIVISION 23 PRIOR TO INSTALLATION.

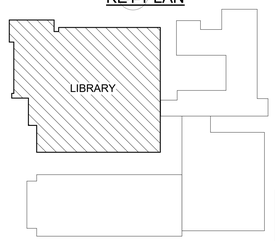


1 ROOF PLAN - SECTOR 4 - POWER

0' 4' 8' 16'

1/8" = 1'-0"

KEY PLAN



INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

ROOF PLAN - SECTOR 4 - POWER

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E3.44

DESIGN DEVELOPMENT SET

SHEET KEYNOTES

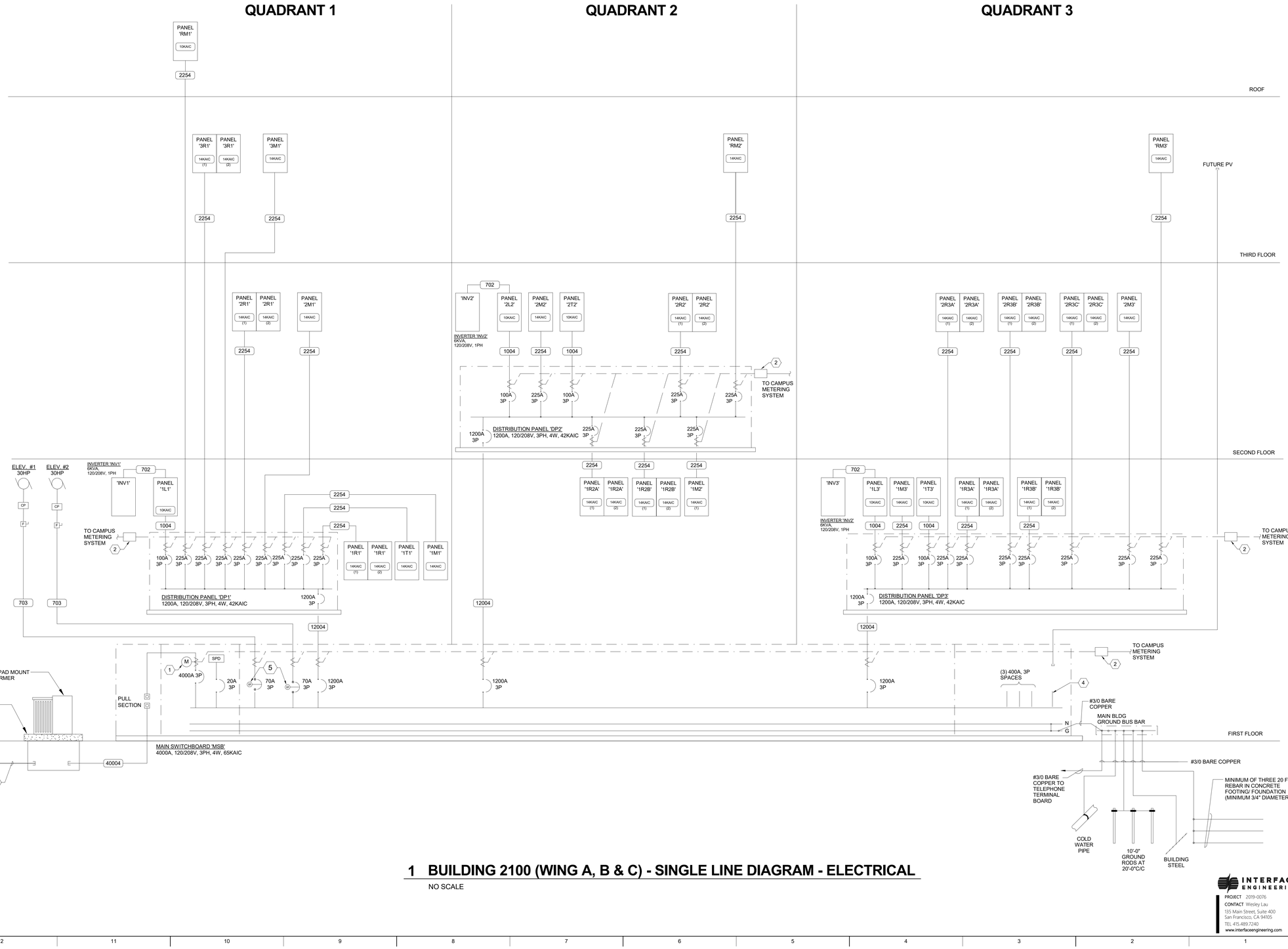
1. PROVIDE SERVICE METERING WITH RESETTABLE KWH AND KWH PER RATE PERIOD, PER TITLE 24 TABLE 130.5-A.
2. PROVIDE LEVITON MULTI-POINT HIGH DENSITY METERING SYSTEM.
3. REUSE EXISTING MEDIUM VOLTAGE FEEDERS AND CONNECT TO NEW TRANSFORMER.
4. PROVIDE (1) 400A SPACE FOR FUTURE PV PER CALIFORNIA ENERGY CODE REQUIREMENTS.
5. PROVIDE SHUNT TRIP BREAKER.

FEEDER SCHEDULE

Key

A, C, S, X — A = Aluminum; C = Conduit only; S = Service secondary; X = Separately derived system

702	2 #4 CU, 1 #8 CU GND., IN 1" C.
703	3 #4 CU, 1 #8 CU GND., IN 1" C.
1004	4 #1 CU, 1 #8 CU GND., IN 1-1/2" C.
2254	4 #4/0 CU, 1 #4 CU GND., IN 2-1/2" C.
4004	2 SETS OF (4 #3/0 CU, 1 #2 CU GND., IN 2" C.)
10004	3 SETS OF (4 - 400 kcmil CU, 1 #2/0 CU GND., IN 3" C.)
12004	4 SETS OF (4 - 350 kcmil CU, 1 #3/0 CU GND., IN 3" C.)
40004	11 SETS OF (4 - 500 kcmil CU, 1-750 kcmil CU GND., IN 4" C.)



1 BUILDING 2100 (WING A, B & C) - SINGLE LINE DIAGRAM - ELECTRICAL

NO SCALE

LPAS

2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO.	ISSUE	DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

BUILDING 2100 - SINGLE LINE DIAGRAM - ELECTRICAL

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E5.01

INTERFACE ENGINEERING

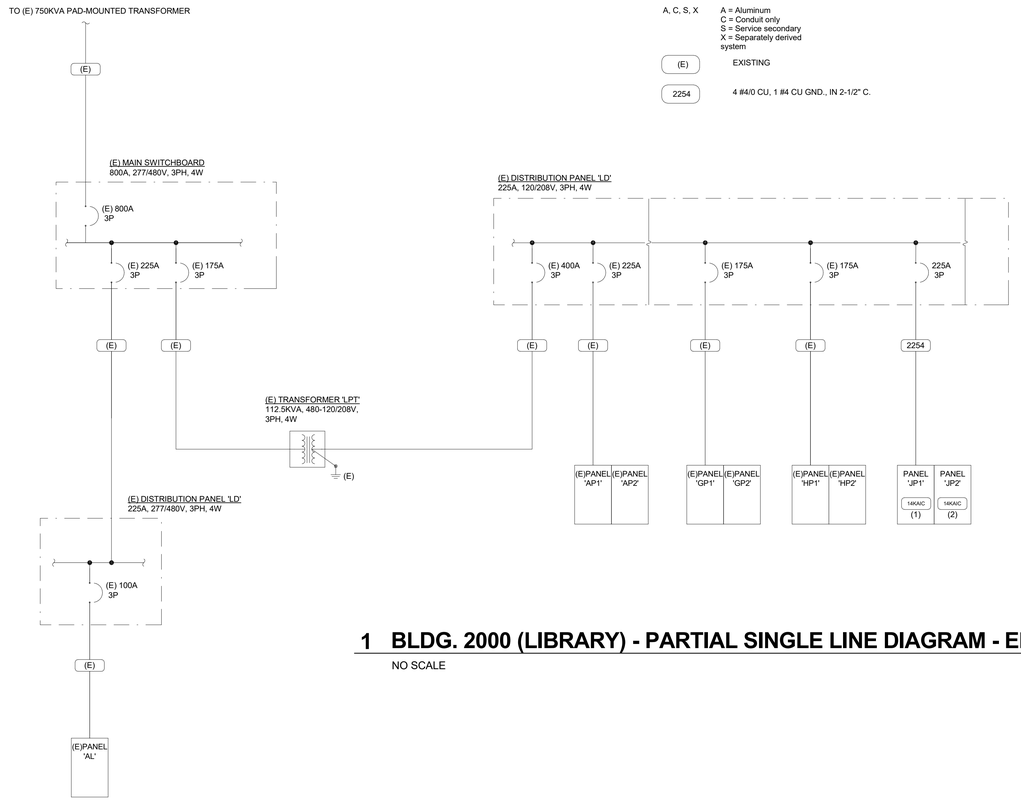
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

DESIGN DEVELOPMENT SET

FEEDER SCHEDULE

Key

A, C, S, X	A = Aluminum C = Conduit only S = Service secondary X = Separately derived system
(E)	EXISTING
2254	4 #4/0 CU, 1 #4 CU GND., IN 2-1/2" C.



1 BLDG. 2000 (LIBRARY) - PARTIAL SINGLE LINE DIAGRAM - ELECTRICAL

NO SCALE

INTERFACE ENGINEERING
PROJECT 2019-0076
CONTACT Wesley Lau
135 Main Street, Suite 400
San Francisco, CA 94105
TEL 415.489.7240
www.interfaceengineering.com

LPAS
2484 Natomas Park Drive Suite 100 Sacramento CA 95833
916 443 0335 lpasdesign.com **Architecture + Design**

LAS POSITAS COLLEGE - BLDG 2100

ACADEMIC SUPPORT AND OFFICE BUILDING

LIVERMORE, CA

NO. ISSUE DATE

ARCHITECT'S STAMP APPROVAL

THIS DOCUMENT CONTAINS INFORMATION THAT IS PROPRIETARY TO LPAS, INC. AND IS FURNISHED FOR THE PURPOSES OF REVIEW, BIDDING OR CONSTRUCTION OF THE PROJECT LISTED IN THE JOB TITLE BOX ABOVE AND SHALL NOT BE USED FOR ANY OTHER PURPOSE OR RELEASED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF LPAS, INC. INFOMATION CONTAINED HEREIN IS AN INSTRUMENT OF PROFESSIONAL SERVICES AND SHALL REMAIN THE PROPERTY OF LPAS, INC. ALL RIGHTS RESERVED COPYRIGHT © 2009.

THIS DRAWING IS NOT FINAL OR TO BE USED FOR CONSTRUCTION UNTIL IT IS SIGNED BY THE ARCHITECT AND ENGINEER.

REGISTERED PROFESSIONAL ENGINEER WESLEY LAU ELECTRICAL STATE OF CALIFORNIA

PRELIMINARY

BUILDING 2000 - PARTIAL SINGLE LINE DIAGRAM - ELECTRICAL

PROJECT NO: 863-0004

DATE: 11-07-19

SHEET NO:

E5.02

DESIGN DEVELOPMENT SET