CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792

INSTALL (3) 30' X 30' FOUR POST PC SHADE STRUCTURES

Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

CONTACT: JESSE SLUDER
DIRECTOR, VENTURA COLLEGE FACILITIES, MAINTENANCE & OPERATIONS
JSLUDER@VCCCD.EDU
OFF: (805) 289-6235

SUBMITTAL: 100% CONSTRUCTION DOCUMENTS

DATE: 01/27/2023

SCOPE OF WORK

1. 3 NEW USA SHADE STRUCTURES (PC04-119455) IN CSC PLAZA
2. NEW CONCRETE PAVING FOR P.O.T AND PLAZA
3. RESTROOM IMPROVEMENTS IN CSC BUILDING (A# 108901; A# 10764)
4. IMPROVEMENTS AT (E) ACCESSIBLE PARKING (A03-114511)
5. NEW DRINKING FOUNTAIN IN PLAZA.

PROJECT TEAM

ARCHITECT
AMADOR ARCHITECTURE
28328 AGOURA RD. #203
AGOURA HILLS, CA 93021
(805) 530-3938
CONTACT: JEAN AMADOR

CIVIL ENGINEER
MOLLENHAUER
919 WEST GLENOAKS BOULEVARD,
GLENDALE, CA 91202
(818) 648-5906
CONTACT: TOM TRAN

LANDSCAPE ARCHITECT
JORDAN, GILBERT & BAIN LANDSCAPE ARCHITECTS, INC.
459 N. VENTURA AVENUE,
VENTURA, CA 93001
(805) 642-3641 FAX (805) 653-7874
CONTACT: PAUL JORDAN

STRUCTURAL ENGINEER
ORION STRUCTURAL GROUP, INC.
223 THOUSAND OAKS BLVD, SUITE 304,
THOUSAND OAKS, CA 91360
(805) 390-9242
CONTACT: WILL LAMBERT

MECHANICAL ENGINEER
AE GROUP PLUMBING ENGINEER, INC.
838 E FRONT STREET,
VENTURA, CA 93001
(805) 416-8701
CONTACT: HUGH McTERNAN

ELECTRICAL ENGINEER
LUCCI & ASSOCIATES, INC.
3251 CORTE MALPASO, SUITE 511
CAMARILLO, CA 93012
(805) 389-6520
CONTACT: KEN LUCCI

DRAWING LIST

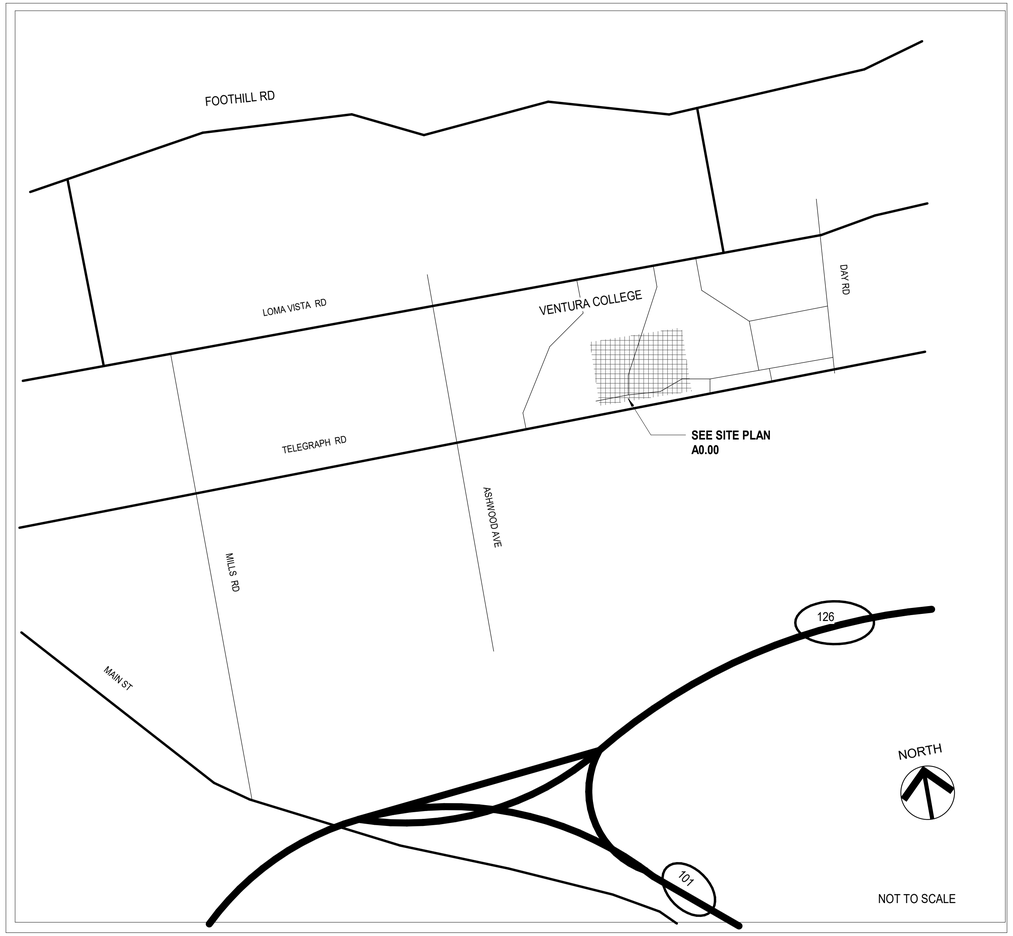
TOTAL SHEET COUNT: 52

SHEET NO.	SHEET NAME
GENERAL	
G0.00	TITLE SHEET
G0.01	GENERAL NOTES & ABBREVIATIONS
G0.02	GENERAL NOTES
G0.03	ACCESSIBILITY NOTES AND DETAILS
G0.04	CAMPUS SITE PLAN
CIVIL ENGINEERING	
C1.0	NOTES AND LEGEND
C2.0	DEMOLITION PLAN
C2.1	DEMOLITION PLAN
C3.0	GRADING PLAN
C3.1	GRADING PLAN
C4.0	DETAILS
C5.0	EROSION CONTROL NOTES
C5.1	EROSION CONTROL PLAN
LANDSCAPE	
L1.1	IRRIGATION PLAN
L1.2	IRRIGATION NOTES & DETAILS
L2.1	PLANTING PLAN
FIRE AUTHORITY	
F1.01	LOCAL FIRE AUTHORITY - SITE PLAN
ARCHITECTURE	
A0.00	OVERALL SITE PLAN
A0.01	(D) ENLARGED SITE PLAN - DEMOLTION
A0.02	(N) ENLARGED SITE PLAN - NEW CONSTRUCTION
A1.00	(N) ENLARGED PLAZA PLAN
A4.01	(D) + (N) ENLARGED RESTROOM PLANS
A4.04	(N) MEN'S ENLARGED RESTROOM PLANS + ELEVATIONS - NEW
A4.06	(N) WOMEN'S ENLARGED RESTROOM PLANS + ELEVATIONS - NEW
A5.00	(D) ACCESSIBLE PARKING
A5.01	(N) ACCESSIBLE PARKING
A5.05	DETAILS
A5.06	DETAILS
A7.01	SIGNAGE DETAILS
ELECTRICAL	
E100	GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST
E101	OUTDOOR TITLE 24 PAGE 1
E102	OUTDOOR TITLE 24 PAGE 2
E110	OVERALL SITE KEY PLAN
E130	PARTIAL SITE LIGHTING PLAN - DEMOLITION
E140	PARTIAL SITE LIGHTING PLAN - NEW WORK
E200	ELECTRICAL PANEL SCHEDULE, SINGLE LINE & ELECTRICAL ROOM DETAIL
E300A	ELECTRICAL DETAILS
E300B	ELECTRICAL DETAILS
E301	PARTIAL SITE PHOTOMETRIC PLAN
E500	EXISTING FIRE ALARM PLAN (FOR REFERENCE ONLY)
E600	ELECTRICAL DETAILS
E601	ELECTRICAL DETAILS
PLUMBING	
P1.01	NOTES AND SCHEDULES
P2.01	RESTROOM PLUMBING DEMOLITION PLAN
P3.01	RESTROOM PLUMBING FLOOR PLAN
P3.02	PLUMBING SITE PLAN
P4.01	PLUMBING DETAILS

USA SHADE - MARINER PEAK SHADE STRUCTURE DRAWING LIST - PC 04-119455 PC

SHEET NO.	SHEET NAME
P.C. T-1.0	P.C. TITLE SHEET
P.C. T-2.0	DSA 103 SAMPLE FORMS
P.C. T-2.1	DSA 103 SAMPLE FORMS
6.1 - 1000	PRODUCT INFORMATION
6.2 - 2000	REACTIONS

SHADE STRUCTURE SUPPLIER
USA SHADE
1085 N. MAIN STREET, SUITE C
ORANGE, CA 92867
(714) 427-6981
CONTACT: DEVIN CHRISTENSEN



VICINITY MAP

STATEMENT OF GENERAL CONFORMANCE

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

THESE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET (DRAWING LIST PC **04-119455** PLANS & DETAILS) HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR :

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

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

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 (B))

I FIND THAT: ☒ ALL DRAWINGS OR SHEETS LISTED ON THE COVER OR INDEX SHEET
☐ THIS DRAWING OR PAGE

☒ IS / ARE IN GENERAL CONFORMANCE WITH THE PROJECT DESIGN,
AND
☒ HAS / HAVE BEEN COORDINATED WITH THE PROJECT PLANS AND SPECIFICATIONS.

Jean Amador — 11/29/2022
SIGNATURE OF THE ARCHITECT — DATE
JEAN AMADOR, ARCHITECT
AMADOR WHITTLE ARCHITECTS, INC.

C-22205 — APRIL 30, 2023
LICENSE NUMBER — EXPIRATION DATE

CODE ANALYSIS

SHADE STRUCTURES

OCCUPANCY GROUP:	A-3
CONSTRUCTION TYPE:	V-B
NUMBER OF STORIES:	1
BUILDING HEIGHT:	21'
BUILDING AREA:	2,700 SF
OCCUPANT LOAD:	1/15 SF = 180

MAX OCCUPANT LOAD PER CBC 2019 TABLE 1604A.5 - EDUCATION
OCCUPANCY ABOVE 12TH GRADE: 500 PERSONS

FIRE SPRINKLERS:	NONE

CAMPUS SERVICE CENTER

OCCUPANCY GROUP:	A-3 / B
CONSTRUCTION TYPE:	V-A
NUMBER OF STORIES:	1
EXISTING BUILDING AREA:	23,000 SF

SITE SPECIFIC STRUCTURAL DESIGN CRITERIA

ALLOWABLE SOIL BEARING PRESSURE: 1,500 PSF

SEISMIC:

RISK CATEGORY: II
SITE CLASS: D (DEFAULT)
Ss = 1.993
S1 = 0.75
Ie = 1.0
SDs = 1.59
SD1 = 0.85
SEISMIC DESIGN CATEGORY: E

WIND:

WIND IMPORTANCE FACTOR: 1.0
EXPOSURE CATEGORY: C
WIND SPEED: 95 MPH
CLIMATE ZONE: 6
ENCLOSURE CLASSIFICATION: OPEN STRUCTURE

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-556-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT — JEAN ANN AMADOR — C-22205 — STATE OF CALIFORNIA

SHEET TITLE:

TITLE SHEET

PROJECT NO. 22-VCCCD-13	PROJECT ARCH: JA
DRAWN: LM	CHECKED: JA

SHEET NUMBER:

G0.00

DATE: 01/27/2023 — SHEET: ___ OF ___

ABBREVIATIONS

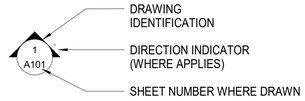
&	AND
(E)	EXISTING
@	AT
A.B.	ANCHOR BOLT
A.C.	ASPHALTIC CONCRETE
A.F.F.	ABOVE FINISH FLOOR
A/C	AIR CONDITIONER
ACOUST	ACOUSTICAL
AL.	ALUMINUM
ALUM	ALUMINUM
ARCH	ARCHITECTURAL
B.O.C.	BOTTOM OF COPING
B.U.R.	BUILT UP ROOFING
BD	BOARD
BLDG	BUILDING
BLK	BLOCK OR BLOCKING
BOT	BOTTOM
C.I.	CAST IRON
C.J.	CEILING JOIST
C.L.	CHAIN LINK
C.L.F.	CHAIN LINK FENCE
C.M.U.	CONCRETE MASONRY UNIT
C.T.	CERAMIC TILE
CAB	CABINET
CER	CERAMIC
CLG	CEILING
CLO.	CLOSET
CLR	CLEAR
COL	COLUMN
CONC	CONCRETE
CONST	CONSTRUCTION
CONT	CONTINUOUS
d	PENNY
D.F	DOUGLAS FIR
DBL	DOUBLE
DEMO	DEMOLITION
DET	DETAIL
DIA.	DIAMETER
DIM	DIMENSION
DIV	DIVISION
DR	DOOR
DS	DOWNSPOUT
DWG	DRAWING
E.J.	EXPANSION JOINT
E.W.C.	ELECTRIC WATER COOLER
EA	EACH
ELEC	ELECTRICAL
EQ	EQUAL
EQUIP	EQUIPMENT
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.E.C.	FIRE EXTINGUISHER CABINET
F.F.	FINISH FLOOR
F.G	FINISH GRADE
F.H.C.	FIRE HOSE CABINET
F.O.C.	FACE OF CONCRETE
F.O.S.	FACE OF STUD
F.O.W.	FACE OF WALL
F.R.	FIRE RATED, FIRE RESISTANT
F.S.	FINISHED SURFACE
FIN	FINISH
FLR	FLOOR
FR.	FRAME
FT	FOOT OR FEET
FTG	FOOTING
G.I.	GALVANIZED IRON
G.W.B.	GYPSUM WALLBOARD
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GYP	GYPSUM
H.M.	HOLLOW METAL
HDB	HARDBOARD
HDR	HEADER
HDW	HARDWARE
HI	HIGH
HT	HEIGHT
IN	INCHES
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
K.D.	KNOCK-DOWN
LAM	LAMINATE

ABBREVIATIONS

LAV	LAVATORY
LBS	POUNDS
M.O.	MASONRY OPENING
M.R.	MOISTURE RESISTANT
MATL	MATERIAL
MAX	MAXIMUM
MECH	MECHANICAL
MFR	MANUFACTURER
MIN	MINIMUM
MISC	MISCELLANEOUS
MTL	METAL
N.I.C.	NOT IN CONTRACT
N.T.S.	NOT TO SCALE
N/A	NOT AVAILABLE
NO., #	NUMBER
O.C.	ON CENTER
OPNG	OPENING
OPP	OPPOSITE
PL	PLASTIC
PR	PAIR
PT	POINT
PWD	PLYWOOD
R	RISER
R.C.P.	REFLECTED CEILING PLAN
R.D.	ROOF DRAIN
R.O.	ROUGH OPENING
REF	REFERENCE
REFL	REFLECTED
REINF	REINFORCING
REQ'D	REQUIRED
REV	REVISION
RM	ROOM
S & P	SHELF AND POLE
S.F.	SQUARE FEET
S.S.	STAINLESS STEEL
SCHED	SCHEDULE
SECT	SECTION
SHT	SHEET
SIM	SIMILAR
SQ	SQUARE
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURAL
SUSP	SUSPEND, SUSPENDED
T	TEMPERED
T & G	TONGUE AND GROOVE
T.O.C.	TOP OF CURB
T.O.P.	TOP OF PLATE
T.O.P.	TOP OF PARAPET
T.O.W.	TOP OF WALL
TEL	TELEPHONE
THK	THICK
TYP	TYPICAL
U.L.	UNDERWRITERS LABORATORIES
U.N.O.	UNLESS NOTED OTHERWISE
V.C.T.	VINYL COMPOSITION TILE
V.I.F.	VERIFY IN FIELD
VERT	VERTICAL
VEST	VESTIBULE
W.C.	WATER CLOSET
W.H.	WATER HEATER
W.R.	WATER RESISTANCE
W.W.M.	WELDED WIRE MESH
W/	WITH
WD	WOOD
WDW	WINDOW

LEGEND

DRAWING REFERENCE



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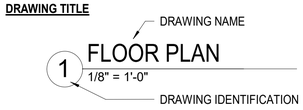
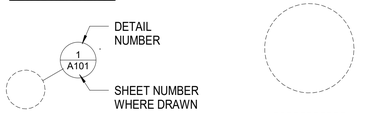
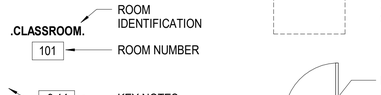
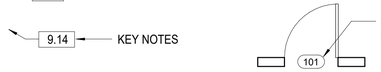
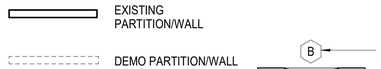


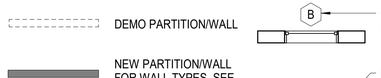
DETAIL REFERENCE

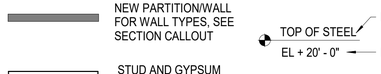


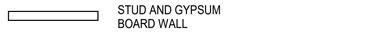


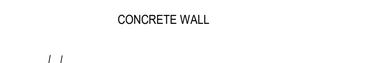


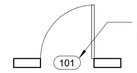


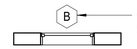












THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED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

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

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

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

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

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

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

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
JEAN ANN AMADOR
C-22205
STATE OF CALIFORNIA

SHEET TITLE:

GENERAL NOTES & ABBREVIATIONS

PROJECT NO. 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

G0.01

DATE: 01/27/2023 SHEET: ____ OF ____

GENERAL NOTES

POST INSTALLED ANCHOR TESTING (CBC 1910A.5):

1. ALL ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ICC-ES REPORT AND MANUFACTURERS RECOMMENDATIONS.
2. UNLESS NOTED OTHERWISE, PROVIDE MINIMUM EMBEDMENT OF ANCHORS PER ICC-ES REPORT AND MANUFACTURERS RECOMMENDATIONS.
3. IF REINFORCEMENT IS ENCOUNTERED DURING DRILLING, ABANDON AND SHIFT THE HOLE LOCATION TO AVOID THE REINFORCEMENT. PROVIDE A MINIMUM OF 2 ANCHOR DIAMETERS OR 1 INCH, WHICHEVER IS LARGER, OF SOUND CONCRETE BETWEEN THE DOWEL AND THE ABANDONED HOLE. FILL THE ABANDONED HOLE WITH NON-SHRINK GROUT. IF THE ANCHOR OR DOWEL MAY NOT BE SHIFTED AS NOTED ABOVE, THE ENGINEER WILL DETERMINE A NEW LOCATION.
4. TEST ANCHORS NO SOONER THAN 24 HOURS AFTER INSTALLATION.
5. ADHESIVE ANCHORS SHALL BE INSTALLED IN CONCRETE OR GROUT HAVING A MINIMUM AGE OF 21 DAYS AT THE TIME OF ANCHOR INSTALLATION.
6. FOR EXTERIOR AND FOR EXPOSED APPLICATIONS MECHANICAL ANCHORS SHALL BE STAINLESS STEEL.

TESTING FOR MECHANICAL AND ADHESIVE ANCHORS

1. POST INSTALLED ANCHOR TEST FREQUENCY (UNLESS SPECIFICALLY NOTED):
   - A. (NOT USED)
   - B. ANCHORS AT MECHANICAL UNITS: 100% (50% OKAY AT NEW 3,000 PSI CONCRETE)
   - C. EPOXY DOWELS AT NEW TO EXISTING SLAB ON GRADE: NO TEST
   - D. ALL OTHER ANCHORS: 100%
2. TEST ACCEPTANCE CRITERIA:
   - A. EPOXY ANCHOR TEST WITH HYDRAULIC JACK: MAINTAIN LOAD FOR 15 SECONDS WITH NO DISCERNABLE MOVEMENT.
   - B. EXPANSION ANCHOR TEST WITH TORQUE WRENCH: OBTAIN SPECIFIED TORQUE WITHIN 1/2 TURN OF NUT
   - C. SCREW TYPE ANCHOR TEST WITH TORQUE WRENCH: OBTAIN SPECIFIED TORQUE WITHIN 1/4 TURN OF SCREW
3. TEST LOADS
   - A. ALL ANCHORS AT EXISTING CONCRETE IN CSC BUILDING SHALL BE TENSION TESTED. ANCHORS SHALL BE 3/8" MIN. DIA. HILTI KB-TZ2 WITH 2.5" MINIMUM NOMINAL EMBEDMENT. ANCHORS SHALL MEET ICC ESR-4266 WITH 3" MINIMUM EDGE DISTANCE AND 4" MINIMUM CONCRETE THICKNESS. MAX DESIGN LOAD IS 190 LBS ASD TENSION AND 190 LBS ASD SHEAR. TENSION TEST LOAD IS 1,448 LBS.

1. INTERPRETATION OF CONSTRUCTION DOCUMENTS
   A. ALL INFORMATION DEPICTED IN THESE DRAWINGS AND RELATIVE TO EXISTING CONDITIONS IS BASED ON THE BEST AVAILABLE DATA AT THE TIME THESE CONSTRUCTION DOCUMENTS WERE BEING EXCECUTED, BUT WITHOUT GUARANTEE OF ACCURACY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND SHALL REPORT ANY DISCREPANICES TO ARCHITECT PRIOR TO COMMENCING ANY WORK.

   B. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCURRED RESULTING FROM THE REMOVAL OR REPLACEMENT OF WORK INSTALLED WITHOUT PROPER COORDINATION TO ALL OTHER TRADES, AND/OR PRIOR TO OBTAINING CLARIFICATION FROM THE ARCHITECT WHERE CONFLICTING INFORMATION EXISTS ON THE DRAWINGS.

   C. THE CONTRACTOR SHALL FURNISH ALL BIDDERS WITH A COMPLETE SET OF CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO DRAWINGS, SPECIFICATIONS AND ADDENDUMS.

   D. ALL BIDS AND LINE ITEM COSTS SUBMITTED BY THE CONTRACTOR IN CONJUNCTION WITH HIS SUBCONTRACTORS ARE CONSIDERED TO INCLUDE COMPLETE COORDINATION BETWEEN THE VARIOUS DISCIPLINES AS WELL AS ALL OTHER REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CODE AND PUBLIC UTILITY REQUIREMENTS. FURTHER, WHERE THERE ARE CONFLICTING SOLUTIONS IN THE CONSTRUCTION DOCUMENTS AND BID OR LINE ITEM COST IS SUBMITTED BY THE CONTRACTOR WITHOUT ANY FORMAL WRITTEN REQUEST FOR CLARIFICATION PRIOR TO BID OPENING, ALL SUCH ITEMS WILL BE CONSIDERED TO INCLUDE THE MOST EXPENSIVE OF THE POSSIBLE SOLUTIONS DEPICTED IN THE CONSTRUCTION DOCUMENTS.

   E. MODIFICATIONS OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT AND DSA.
2. CONTRACTOR SHALL VISIT THE SITE TO INVESTIGATE AND VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS AT JOB SITE PRIOR TO START OF WORK.
3. ALL DIMENSIONS INDICATED ARE BELIEVED TO BE ACCURATE, BUT ARE NOT GUARANTEED TO BE SO. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. COORDINATE WITH EXISTING CONDITIONS WHERE INSUFFICIENT DETAIL DIMENSIONS ARE AVAILABLE. ALL DIMENSIONS ARE TO FINISHED FACE OF CONSTRUCTION OR CENTERLINE OF COLUMNS UNLESS NOTED OTHERWISE. DIMENSIONS NOTED AT "CLR" (CLEAR) ARE NOT ADJUSTABLE WITHOUT ARCHITECT'S APPROVAL.
4. DIMENSIONS SHOWN SHALL HAVE PREFERENCE OVER SCALE.
5. ALL ITEMS INCLUDING BUILDINGS SHOWN ARE NEW UNLESS NOTED AS EXISTING (E).
6. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING PIPELINES AND UTILITIES THAT ARE TO REMAIN IN SERVICE. CONTRACTOR SHALL VERIFY THAT THOSE PIPELINES AND UTILITIES TO BE REMOVED HAVE BEEN DISCONNECTED, SHUT DOWN OR ABANDONED PRIOR TO ATTEMPTING REMOVAL OR DEMOLITION IN A MANNER TO AVOID ANY DISRUPTION OF EXISTING FACILITIES.
7. CONTRACTOR SHALL PROTECT ALL SURFACES & FIXTURES TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
8. ALL DAMAGE DONE TO EXISTING CONSTRUCTION AS A RESULT OF DEMOLITION OR INSTALLATION SHALL BE COMPLETELY REPAIRED BY CONTRACTOR AT NO COST TO OWNER. REPAIRED WORK SHALL MATCH EXISTING CONSTRUCTION.
9. CONTRACTOR SHALL REPAIR AND PATCH UP ALL DAMAGES TO EXISTING SURFACES CAUSED BY REMOVAL OF EXISTING EQUIPMENT ATTACHED TO EXISTING SURFACES. (CHALKBOARDS, BOOKSHELVES, TACKBOARDS, WALL HEATERS, PIPING, ETC.)
10. WHERE PATCHES ARE REQUIRED IN EXISTING, SURFACES ADJACENT MATERIAL SHALL BE MATCHED IN TEXTURE AND FINISH.
11. "DEMOLISH" AND "REMOVE" SHALL MEAN TO DEMOLISH, REMOVE FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER UNLESS NOTED OTEHRWISE. TERMINATE PIPING BELOW SUBSTRATE FOR PATCHING. ELECTRICAL WIRE DISCONNECT SHALL BE AT THE SOURCE OF POWER.
12. CONTRACTOR TO HAVE ALL SALVAGE RIGHTS TO ALL DEMOLISHED COMPONENTS AND EQUIPMENT. SALVAGE RIGHTS TO BE REFLECTED IN THE BID PROPOSAL TO THE DISTRICT BY WAY OF A BID COST REDUCTION. THE DISTRICT DOES NOT WANT ANY DEMOLISHED COMPONENTS OR EQUIPMENT BACK.
13. CONTRACTOR SHALL THOROUGHLY CLEAN AND SECURE THE AREA OF CONSTRUCTION AFTER EACH DAY OF WORK. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE.
14. LOCATIONS OF STRUCTURES, UNDERGROUND PIPELINES AND UTILITIES WERE OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF ALL PIPELINES AND UTILITIES BEFORE COMMENCING DEMOLITON, EARTHWORK OR CONSTRUCTION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RETAINING THE SERVICES OF A UTILITY LOCATING COMPANY IF REQUIRED.
15. GENERAL CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO START OF CONSTRUCTION. ALL QUESTIONS SHALL BE SENT TO ARCHITECT.
16. ALL NOTED SALVAGEABLE MATERIALS AND EQUIPMENT TO BE REMOVED SHALL REMAIN THE SOLE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL CONSULT WITH THE OWNER CONCERNING STORAGE AND/OR DISPOSAL OF SUCH EQUIPMENT. OWNER HAS FULL SALVAGE RIGHTS. ALL REMOVED MATERIALS OTHER THAN ITEMS TO BE SALVAGED, OR REUSED SHALL BECOME CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE PROJECT SITE.
17. ALL WORK, INCLUDING REMOVAL OF EXISTING WORK, SHALL BE PERFORMED IN A MANNER THAT MINIMIZES THE AMOUNT OF NOISE, DUST, TRAFFIC AND/OR OTHER FORMS OF DISTURBANCES IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES SO THAT THE PUBLIC, STUDENTS AND STAFF, AS WELL AS OTHER OCCUPIED AREAS OF THE SCHOOL ARE SUBJECTED TO AS LITTLE DISRUPTION AS REASONABLY POSSIBLE.
18. ROUTES OF INGRESS AND EGRESS FOR MATERIALS AND WORKMEN, AND LIMITS OF THE PROJECT AREA WILL BE DESIGNATED BY THE OWNER. THE CONTRACTOR SHALL CONFINE HIS ACTIVITES WITHIN SUCH LIMITS. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ADEQUATE SAFETY AND DUST BARRIERS IN THE SITE, ACROSS CORRIDORS AND ELSEWHERE AS REQUIRED.
19. SHUT DOWN OF EXISTING AND OPERATING PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS OR PORTIONS THEREOF SHALL BE COORDINATED IN ADVANCE WITH THE OWNER.

GENERAL NOTES

20. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THE ARCHITECTURAL DRAWINGS WITH THE SPECIFICATIONS AND THE WORK SHOWN ON THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITIING BEFORE PROCEEDING WITH ANY RELATED WORK.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIRE RATING CONTINUITY OF STRUCTURE, WALLS, FLOOR AND CEILINGS INTERRUPTED BY THE WORK OF ALL TRADES. THIS INCLUDES, BUT IS NOT LIMITED TO, FIRE RATED ENCLOSURES AT THE CEILING AND WALLS OF CORRIDORS AND STORAGE ROOMS, DUCT SHAFTS.
22. PROVIDE ALL NECESSARY BLOCKING, BACKING AND FRAMING FOR LIGHT FIXTURES, ELECTRICAL UNITS, A/C EQUIPMENT, TOILET FIXTURES & ACCESSORIES, RAILINGS, GRAB BARS, AND ALL OTHERS REQUIRING SAME.
23. CEILING HEIGHT DIMENSIONS ARE FROM FINISH FLOOR TO FINISH FACE OF CEILING.
24. WHERE NEW WALLS ALIGNS WITH EXISTING WALL, PROVIDE SMOOTH INVISIBLE TRANSITION BETWEEN NEW AND EXISTING.
25. NEW GYPSUM BOARD FINISH SHALL BE 5/8" TYPE 'X' OR AS REQUIRED FOR UL FIRE-RATING AS INDICATED ON DRAWINGS.
26. GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY EIGHT (8) FEET HIGH CHAIN LINK FENCE BARRICADES AT WORK AREAS, APPROVED STORAGE AREAS AND WHEREVER NECESSARY TO MAINTAIN A SAFE PASSAGE AND SAFE ENVIRONMENT.
27. BEFORE PROCEEDING WITH THE CORING OR CUTTING OF WALLS AND FLOORS, ETC., THE CONTRACTOR SHALL PREPARE LAYOUT OF CUTTING OR CORING AND SHALL HAVE THE APPROVAL BY THE STRUCTURAL ENGINEER AND THE D.S.A. FIELD ENGINEER IN ORDER TO PROCEED WITH THE CUT
28. SAW-CUT EXISTING A.C. PAVING AND /OR CONCRETE FLOOR SLAB AS REQUIRED FOR NEW PIPE INSTALLATION AND NEW DEPRESSED CONCRETE SLAB, AND REPAIR TO MATCH EXISTING.
29. STRENGTH OF CONCRETE
    A) SLABS ON EARTH, SIDEWALKS AND CURBS: 3,500 PSI AT 28 DAYS
    B) FOUNDATIONS: 3,500 PSI AT 28 DAYS
30. THE CONTRACTOR SHALL NOT COMMENCE THE WORK, IN PART OR IN FULL, PRIOR TO OBTAINING THE NOTICE-TO-PROCEED (NTP) FROM OWNER.
31. IN CASE OF CONFLICT, THE MORE EXPENSIVE CONSTRUCTION MEANS AND METHOD SHALL BE USED.
32. THE PROVISIONS OF CFC CHAPTER 14 AND CBC CHAPTER 33 SHALL BE ENFORCED ON THIS PROJECT.
33. THE INFORMATION CONTAINED IN THESE CONSTRUCTION DOCUMENTS ARE TO BE FIELD VERIFIED PRIOR TO THE COMMENCEMENT OF CONSTRUCTION OR BIDDING.
34. UNLESS SPECIFICALLY NOTED OTHERWISE IN THESE DRAWINGS, ALL EXISTING CONDITIONS SHALL REMAIN AS-IS.

DSA GENERAL NOTES

1. THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGUALTIONS. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMLPY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK. THE CONSTRUCTION CHANGE DOCUMENTS MUST BE SIGNED BY ALL THE FOLLOWING: A/E OF RECORD, STRUCTURAL ENGINEER (WHEN APPLICABLE), DELEGATED PROFESSIONAL ENGINEER (WHEN APPLICABLE), DSA.
2. A 'DSA CERTIFIED' PROJECT INSPECTOR WITH CLASS 2 CERTIFICATION IS REQUIRED FOR THIS PROJECT.
3. A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
4. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
5. ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR), PARTS 1-6 AND 9.
6. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
7. A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF STATE ARCHITECT, A/E OF RECORD AND STRUCTURAL ENGINEER SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR).
8. WORK SHALL COMPLY WITH THE PROVISIONS OF CHAPTER 33 OF CBC & CFC, "FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION"
9. TITLE 24, PARTS 1-5 MUST BE KEPT ON SITE DURING CONSTRUCTION.
10. IF ANY CONFLICTS OR INCONSISTENCIES EXIST BETWEEN THE SPECIFICATIONS AND THE DRAWINGS (INCLUDING THE GENERAL NOTES), MORE STRINGENT REQUIREMENTS SHALL TAKE PRECEDENCE.
11. ALL ADDENDA MUST BE SIGNED BY ARCHITECT AND APPROVED BY DSA (SECTION 4-338, PART 1).
12. ALL SUBSTITUTIONS AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT (CCD) OR ADDENDA, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION. (IR A-6 AND SECTION 4-338(C), PART 1).

APPLICABLE CODES

LIST OF 2019 CALIFORNIA CODE OF REGULATIONS (C.C.R.): APPLICABLE CODES AS OF JANUARY 1, 2020

PART 1- 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.

PART 2- 2019 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS) (CBC2019-CHAPTER 11B FOR ACCESSIBILITY REQUIREMENTS)

PART 3- 2019 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)

PART 4- 2019 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

PART 5- 2019 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

PART 6- 2019 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.

PART 7- CURRENTLY VACANT

PART 8- 2019 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.

PART 9- 2019 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)

PART 10- 2019 CALIFORNIA EXISTING BUILDING CODE (2018 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)

PART 11- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.

PART 12- 2019 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.

PARTIAL LIST OF APPLICABLE STANDARDS

2019 CALIFORNIA BUILDING CODE (FOR SFM) REFERENCED STANDARDS CHAPTER 35

NFPA 13	AUTOMATIC SPRINKLER SYSTEMS (CALIFORNIA AMENDED)	2016 EDITION
NFPA 14	STANDPIPE SYSTEMS (CALIFORNIA AMENDED)	2013 EDITION
NFPA 17	DRY CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 17a	WET CHEMICAL EXTINGUISHING SYSTEMS	2013 EDITION
NFPA 20	STATIONARY PUMPS	2016 EDITION
NFPA 24	PRIVATE FIRE SERVICE MAINS (CALIFORNIA AMENDED)	2013 EDITION
NFPA 72	NATIONAL FIRE ALARM CODE (CALIFORNIA AMENDED) (NOTE: SEE UL STANDARD 1971 FOR "VISUAL DEVICES")	2016 EDITION
NFPA 80	FIRE DOOR AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 2001	CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION
UL 464	AUDIBLE SIGNALING DEVICES FOR F.A. & SIGNAL SYSTEMS	2003 EDITION
UL 521	HEAT DETECTORS FOR FIRE PROTECTIVE SIGNAL SYSTEMS	1999 EDITION
UL 1971	SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 EDITION

DEPARTMENT OF JUSTICE REGULATIONS FOR TITLE II OF THE AMERICANS WITH DISABILITIES ACT OF 1990 WITH REVISED REGULATIONS AS PUBLISHED IN THE FEDERAL REGISTER ON SEPTEMBER 15, 2010, EFFECTIVE MARCH 15, 2012. TITLED ADA STANDARDS FOR ACCESSIBLE DESIGN.

GREEN BUILDING NOTES

1 ESTABLISH A CONSTRUCTION WASTE MANAGEMENT PLAN FOR THE DIVERTED MATERIALS, OR MEET LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS MORE STRINGENT. CGBSC 5.408.1

2 WHERE A LOCAL JURISDICTION DOES NOT HAVE A CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, SUBMIT A CONSTRUCTION WASTE MANAGEMENT PLAN FOR APPROVAL BY THE ENFORCEMENT AGENCY THAT: 1. IDENTIFIES THE MATERIALS TO BE DIVERTED FORM DISPOSAL BY EFFICIENT USAGE, RECYCLING, REUSE ON THE PROJECT OR SALVAGE FOR FUTURE USE OR SALE. 2. DETERMINES IF MATERIALS WILL BE SORTED ON-SITE OR MIXED. 3. IDENTIFIES DIVERSION FACILITIES WHERE MATERIAL COLLECTED WILL BE TAKEN. 4. SPECIFIES THAT THE AMOUNT OF MATERIALS DIVERTED SHALL BE CALCULATED BY WEIGHT OR VOLUME, BUT NOT BY BOTH. CGBSC 5.408.2

3 DOCUMENTATION SHALL BE PROVIDED TO THE ENFORCING AGENCY WHICH DEMONSTRATES COMPLIANCE WITH SECTION 5.408.2, ITEMS 1 THRU 4. THE WASTE MANAGEMENT PLAN SHALL BE UPDATED AS NECESSARY AND SHALL BE ACCESSIBLE DURING CONSTRUCTION FOR EXAMINATION BY THE ENFORCING AGENCY. CGBSC 5.408.2.1

4 RECYCLE AND OR SALVAGE FOR REUSE A MINIMUM OF 50 PERCENT OF THE NON-HAZARDOUS CONSTRUCTION AND DEMOLITION DEBRIS, OR MEET LOCAL CONSTRUCTION AND DEMOLITION WASTE MANAGEMENT ORDINANCE, WHICHEVER IS MORE STRINGENT. CALCULATE THE AMOUNT OF MATERIALS DIVERTED BY WEIGHT OR VOLUME,BUT NOT BY BOTH. EXCEPTIONS: 1. EXCAVATED SOIL AND LAND-CLEARING DEBRIS 2. ALTERNATE WASTE REDUCTION METHODS DEVELOPED BY WORKING WITH LOCAL AGENCIES IF DIVERSION OR RECYCLE FACILITIES CAPABLE OF COMPLIANCE WITH THIS ITEM DO NOT EXIST. CGBSC 5.408.4

FIRE DEPARTMENT NOTES

1. 2A 10B:C PORTABLE FIRE EXTINGUISHERS SHALL BE PROVIDED. TRAVEL DISTANCE TO ANY EXTINGUISHER SHALL NOT EXCEED 75 FEET FROM ANY PORTION OF THE BUILDING. EXTINGUISHER(S) SHALL BE HUNG NO HIGHER THAN 44 INCHES MEASURED FROM THE FLOOR TO THE TOP OF THE EXTINGUISHER. SHALL NOT CONTAIN CFCS OR HALONS

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

SHEET TITLE:

GENERAL NOTES

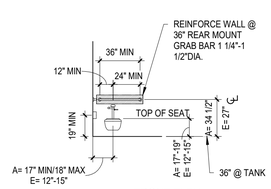
PROJECT NO: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

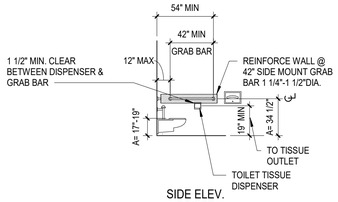
G0.02

DATE: 01/27/2023 SHEET: ___ OF ___

DIMENSION LEGEND
A = ADULT DIMENSIONS (AGE 12 AND OVER)



FRONT ELEV.
TOILET



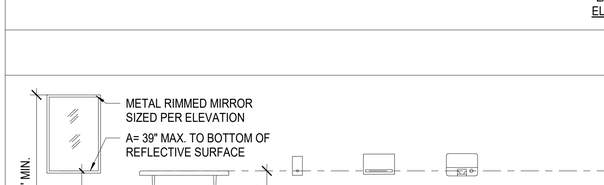
SIDE ELEV.
TOILET

DIMENSIONS IN INCHES	A
a) TOILET CENTERLINE FROM WALL	17" MIN. 18" MAX
b) TOILET SEAT HEIGHT TO TOP OF SEAT	17" MIN. 19" MAX
c) GRAB BAR HEIGHT (TO TOP SURFACE)	33" - 36"
d) TOILET PAPER DISPENSER HEIGHT TO OPNG	19" MIN.
e) TOILET PAPER IN FRONT OF TOILET	7" - 9"
f) NAPKIN DISPOSAL HEIGHT TO OPNG	12" MAX.
g) DISPENSER HEIGHT	40" MAX.
h) MIRROR HEIGHT (OVER A LAVATORY)	39"
i) MIRROR HEIGHT (ISOLATED MIRROR)	34"
j) LAVATORY/SINK TOP HEIGHT	34" MAX.
k) LAVATORY APRON CLEARANCE	29" MIN.
l) LAVATORY/SINK KNEE CLEARANCE	27" MIN.
m) URINAL LIP HEIGHT	16"
n) URINAL, TOILET FLUSH HANDLE HEIGHT	43"
o) DRINKING FOUNTAIN BUBBLER HEIGHT	36" MAX.
p) DRINKING FOUNTAIN KNEE CLEARANCE	27" MIN.
q) RAMP/STAIR HANDRAIL HEIGHT	36"

A = ADULT DIMENSIONS (AGE 12 AND OVER)

NOTE #1: f) LOCATION SHALL COMPLY WITH CBC 11B-604.7.2

TYPICAL TOILET PLAN AND ELEVATIONS	3/16" = 1'-0"	8

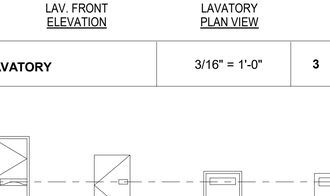


DRINKING FOUNTAIN
SECTION VIEW

DRINKING FOUNTAIN
ELEVATION

DRINKING FOUNTAIN
PLAN VIEW

DRINKING FOUNTAIN	3/16" = 1'-0"	7

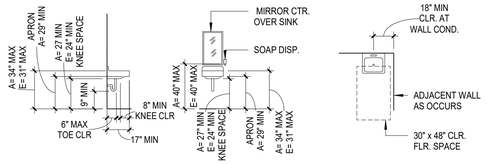


SIDE ELEV.
URINAL

FRONT ELV.
URINAL

PLAN VIEW
URINAL

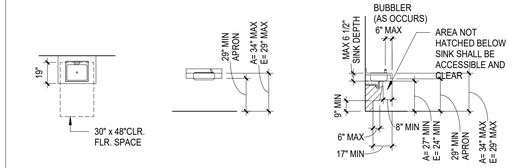
URINAL PLAN AND ELEVATIONS	3/16" = 1'-0"	6



LAV. SIDE
ELEVATION

LAV. FRONT
ELEVATION

LAVATORY
PLAN VIEW

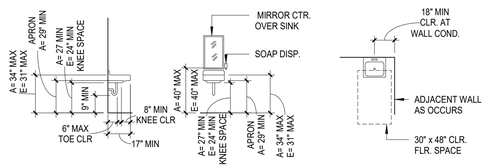


ACCESSIBLE SINK
CABINET PLAN

ACCESSIBLE SINK
CABINET ELEV.

ACCESSIBLE SINK
CABINET SECTION

TYPICAL ACCESSIBLE PLUMBING FIXTURES AND ACCESSORIES INFORMATION	3/16" = 1'-0"	5	**ACCESSIBLE SINK PLAN, SECTION AND ELEVATION**	3/16" = 1'-0"	4

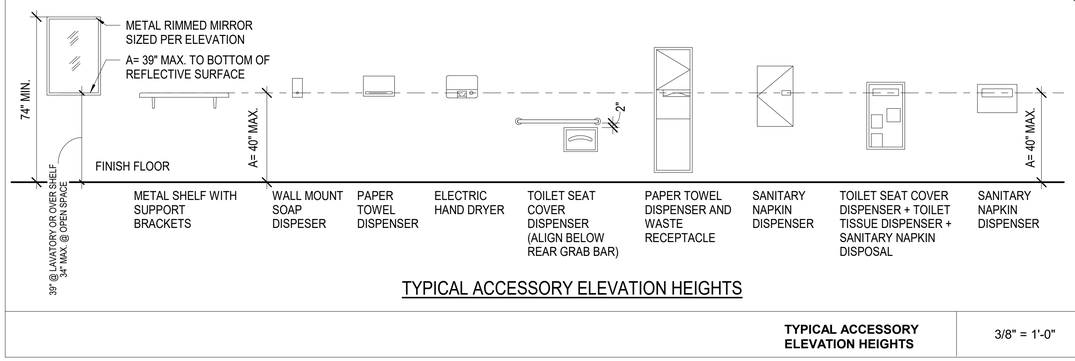


LAV. SIDE
ELEVATION

LAV. FRONT
ELEVATION

LAVATORY
PLAN VIEW

LAVATORY	3/16" = 1'-0"	3



TYPICAL ACCESSORY ELEVATION HEIGHTS

TYPICAL ACCESSORY ELEVATION HEIGHTS	3/8" = 1'-0"	2	**Accessible Parking Graphic Standard**	1/8" = 1'-0"	1

TYPICAL ACCESSIBLE PLUMBING FIXTURES

NOTES

1. TOILET FLUSH CONTROLS SHALL BE OPERABLE WITH ONE HAND, AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING, OR TWISTING OF THE WRIST. CONTROLS FOR THE FLUSH VALVES SHALL BE MOUNTED ON THE WIDE SIDE OF THE TOILET AREA AS INDICATED AND 36" MAXIMUM ABOVE FINISH LOOR. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5-POUNDS.
2. HOT WATER AND DRAIN PIPES UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE SURFACES UNDER LAVATORIES.
3. FAUCET CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT EQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO GREATER THAN 5-POUNDS. LEVER OPERATED, PUSH TYPE AND LECTRONICALLY CONTROLLED MECHANISMS ARE EXAMPLES OF ACCEPTABLE DESIGNS. SELF-CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.
4. A GRAB BAR OR ANY WALL OR OTHER SURFACE ADJACENT TO IT SHALL BE FREE OF ANY SHARP OR ABRASIVE ELEMENTS.
5. GRAB BARS SHALL NOT ROTATE WITHIN THEIR FITTINGS.
6. EDGES SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH.
7. NOT USED.
8. THE DRINKING FOUNTAIN SHALL BE ACTIVATED BY A CONTROL WHICH IS EASILY OPERATED BY A DISABLED PERSON SUCH AS A HAND OPERATED LEVER TYPE CONTROL LOCATED WITHIN 6-INCHES OF THE FRONT OF THE DRINKING FOUNTAIN. THE SPOUT SHALL BE LOCATED 15-INCHES MINIMUM FROM THE VERTICAL SUPPORT AND 5-INCHES MAXIMUM FROM THE FRONT EDGE OF THE UNIT, INCLUDING BUMPERS, AND SHALL BE 36-INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND. THE WATER STREAM FROM THE SPOUT SHALL PROVIDE A FLOW OF WATER 4 INCHES HIGH MIN. AND BE SUBSTANTIALLY PARALLEL TO THE FRONT OF THE DRINKING FOUNTAIN.
9. ROUGH-IN FOR FIXTURES, EQUIPMENT, AND APPLIANCES SHALL BE AS INDICATED ON DRAWINGS AND AS SPECIFIED, INCLUDING THOSE ITEMS INDICATED AS FURNISHED BY OTHERS, FURNISHED BY OWNER, OR FUTURE CAPACITY. WHEN CONNECTIONS TO EQUIPMENT FROM CAPPED OR PLUGGED LINES ARE REQUIRED, CAPS OR PLUGS SHALL BE REMOVED AT TIME EQUIPMENT IS SET AND STOPS OR VALVES INSTALLED AND CONNECTIONS PROVIDED AS SPECIFIED.
10. UNLESS OTHERWISE INDICATED, FIXTURES SHALL BE INSTALLED WITH 5/16" BRASS BOLTS OR SCREWS OF SUFFICIENT LENGTH TO SECURE FIXTURE TO BACKING, WALL OR CLOSET RINGS.
11. FIXTURES INSTALLED AGAINST CONCRETE OR MASONRY WALLS SHALL HAVE THEIR HANGERS FASTENED WITH THE 5/16" BOLTS, PHILIP SHIELD TYPE ANCHORS, OR 2 UNIT CINCH ANCHORS. WOOD OR PLASTIC PLUGS ARE NOT PERMITTED.
12. BACKING FOR HANGING OF PLUMBING FIXTURE AND EQUIPMENT SHALL BE INSTALLED IN SUPPORTING WALL AT TIMES ROUGH PIPING IS INSTALLED.

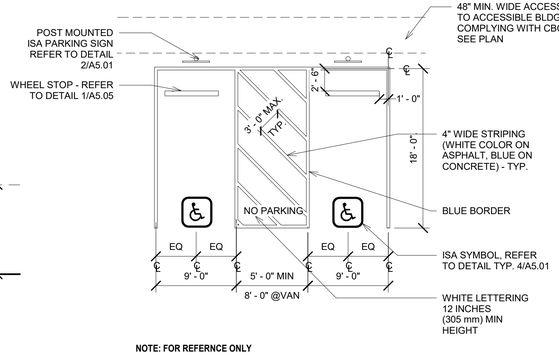
13A. FOR WOOD STUDS USE STEEL PLATE 1/4" THICK, NOT LESS THAN 4 TO 6 INCHES WIDE STEEL PLATE SHALL BE ATTACHED TO STUD AT EACH END OF PLATE TO EACH STUD IT CRESSES. PLATE SHALL HAVE 2 PRE- DRILLED 1/8" HOLES FOR NO. 14 FLAT HEAD SCREWS 2 INCHES IN LEGNTH FROM EACH STUD.

13B. FOR METAL STUDS USE STEEL PLATE 1/4" THICK, NOT LESS THAN 4 INCHES WIDE STEEL PLATE SHALL BE ATTACHED TO STUD AT EACH END OF PLATE TO EACH STUD IT CRESSES. PLATE SHALL BE \ ATTACHED TO METAL STUDS BY BOLTING WITH TWO 1/4" "U BOLTS" PER STUD WITH BOLTS THROUGH PLATE AND AROUND STUD FLANGE OR BY WELDING WITH 1/8" FILLET WELD FULL WIDTH OF STUD FLANGE, TOP AND BOTTOM OF PLATE. SEE 1/A5.06.

14. PIPING SHALL BE STUBBED OUT TO EXACT LOCATION OF FIXTURES AND STUBS SHALL BE INSTALLED SYMMETRICAL WITH FIXTURES. HOT AND COLD WATER SUPPLIES FOR CENTER SET FAUCETS ON LAVATORIES SHALL BE INSTALLED ON 8 INCH CENTERS, UNLESS OTHER WISE SPECIFIED OR REQUIRED.

ACCESSORIES INFORMATION

1. THE GRAB BAR SHALL NOT PROJECT MORE THAN 3" INTO THE 48" MINIMUM CLEAR SPACE IN FRONT OF THE WATER CLOSET. GRAB BAR AND CONNECTIONS SHALL HAVE STRENGTH TO ALLOW 250 LB HORIZONTAL OR VERTICAL POINT FORCE.
2. TOILET PAPER AND FEMININE NAPKIN DISPOSALS SHALL BE LOCATED AT THE GRAB BAR SIDE OF AN ACCESSIBLE TOILET ROOM OR STALL. THE ACCESSORY SHALL NOT BE LOCATED CLOSER THAN 1 1/2" CLEAR OF THE TANGENT POINT OF THE GRAB BAR.



NOTE: FOR REFERNCE ONLY

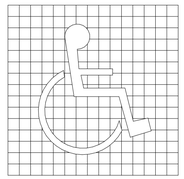
GENERAL ACCESSIBILITY NOTES

1. SYMBOL OF ACCESSIBILITY

A. THE INTERNATIONAL SYMBOL OF ACCESSIBILITY SHALL BE THE STANDARD USED TO IDENTIFY FACILITIES THAT ARE ACCESSIBLE TO AND USEABLE BY PHYSICALLY DISABLED PERSON AS SET FORTH IN THESE BUILDING STANDARDS AND AS SPECIFICALLY REQUIRED IN THIS SECTION. NOTE: SEE FIGURE 17-6 BELOW.

B. COLOR OF SYMBOL: THE SYMBOL SPECIFIED ABOVE SHALL CONSIST OF A WHITE FIGURE ON A BLUE BACKGROUND. THE BLUE SHALL BE EQUAL TO COLOR NO. 15090 IN FEDERAL STANDARD 595B. EXCEPTION: THE APPROPRIATE ENFORCEMENT AGENCY MAY APPROVE SPECIAL SIGNS AND IDENTIFICATION NECESSARY TO COMPLEMENT DECOR OR UNIQUE DESIGN WHEN IT IS DETERMINED THAT SUCH SIGNS AND IDENTIFICATION PROVIDES ADEQUATE DIRECTION TO HANDICAPPED PERSONS.

C. CONTRAST OF SYMBOL: CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT CHARACTERS ON A DARK BACKGROUND OR DARK CHARACTERS ON A LIGHT BACKGROUND.



NOTE:
POST SIGNAGE AT SIDELIGHT WINDOW TO ALL ENTRANCES RFHSSD 5 X 5 DECAL - POSTED

PROPORTIONS DISPLAY CONDITIONS

INTERNATIONAL SYMBOL OF ACCESSIBILITY

FIGURE 17-6

2. ENTRANCES

A. LATCHING AND LOCKING DOORS THAT ARE HAND ACTIVATED AND WHICH ARE IN A PATH OF TRAVEL, SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL ACTIVATING BARS, OR OTHER HARDWARE DESIGNED TO PROVIDE PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.

B. HAND ACTIVATED DOOR OPENING HARDWARE SHALL BE CENTERED BETWEEN 34 INCHES AND 44-INCHES ABOVE THE FLOOR. PANIC HDWR TO BE MOUNTED ABOVE 36" TO 44"

C. THE FLOOR LANDING ON EACH SIDE OF AND ENTRANCE OR PASSAGE DOOR SHALL BE LEVEL AND CLEAR. THE LEVEL AND CLEAR AREA SHALL HAVE A LENGTH IN THE DIRECTION OF DOOR SWING OF AT LEAST 60-INCHES AND THE LENGTH OPPOSITE THE SWING OF 48-INCHES AS MEASURE AT RIGHT ANGLES TO THE PLANE OF THE DOOR IN ITS CLOSED POSITION.

D. THE FLOOR OR LANDING SHALL BE NO MORE THAN 1/2" LOWER THAN THE THRESHOLD OR THE DOORWAY. CHANGE IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1:2.

E. MAXIMUM EFFORT TO OPERATE DOORS SHALL NOT EXCEED 5 LBS FOR EXTERIOR DOOR AND 5 LBS. FOR INTERIOR DOORS, SUCH PULL OR PUSH EFFORT BEING APPLIED AT RIGHT ANGLES TO HINGED DOORS AND AT THE CENTER PLANE OF SLIDING OF FOLDING DOORS. COMPENSATING DEVICES OR AUTOMATIC DOOR OPERATORS MAY BE UTILIZED TO MEET THE ABOVE STANDARDS. WHEN FIRE DOORS ARE REQUIRED, THE MAXIMUM EFFORT TO OPERATE THE DOOR MAY BE INCREASED AS AUTHORIZED BY AUTHORITY HAVING JURISDICTION, NOT TO EXCEED 15 LBS.

3. ACCESSIBLE ENTRANCES

A. ACCESSIBLE ENTRANCES TO THE BUILDING SHALL BE IDENTIFIED BY THE INTERNATIONAL SYMBOL OF ACCESSIBILITY AS REFERENCED HEREIN. SIGNS AT ENTRIES SHALL BE LOCATED SUCH THAT THEY ARE VISIBLE FROM THE MAIN APPROACH TO THE ENTRY.

4. SIGNS

A. ALL SIGNS (AT MAIN ENTRANCES, TOILETS, AND PERMANENT ROOMS. SHALL COMPLY WITH TITLE 24 AND SECTION 11B-216 AND 11B-703.

5. PATH OF TRAVEL

A. GATES IN PATH OF TRAVEL MUST COMPLY WITH EXIT DOOR REQUIREMENTS. (CBC 11B-206.5, 11B-404 AND ADA STANDARDS FOR ACCESSIBLE DESIGN, DEPARTMENT OF JUSTICE, SECTION 404). GATE HARDWARE SHALL NOT REQUIRE PINCHING, GRASPING, OR TWISTING MOTION TO OPERATE. PROVIDE SOLID KICK PLATES 10" MINIMUM HIGH. CLEAR SPACE BELOW GATE SHALL BE 3" MAXIMUM ABOVE PAVING ON BOTH SIDES OF THE GATE. THE MAXIMUM EFFORT TO OPERATE THE GATES SHALL NOT EXCEED 5 LBS.

B. HANDRAILS FOR STAIRS AND RAMPS SHALL BE PER APPROVED PLANS AND MOUNTED 1 1/2" MINIMUM FROM SIDE WALLS. CBC 11B-505. ALL WELDED JOINTS AND SURFACES SHALL BE GROUND SMOOTH, NO SHARP OR ABRASIVE CORNERS, EDGES OR SURFACES. WALL SURFACES ADJACENT TO HANDRAIL SHALL BE SMOOTH. CBC 11B.505.6 TO 11B.505.8.

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

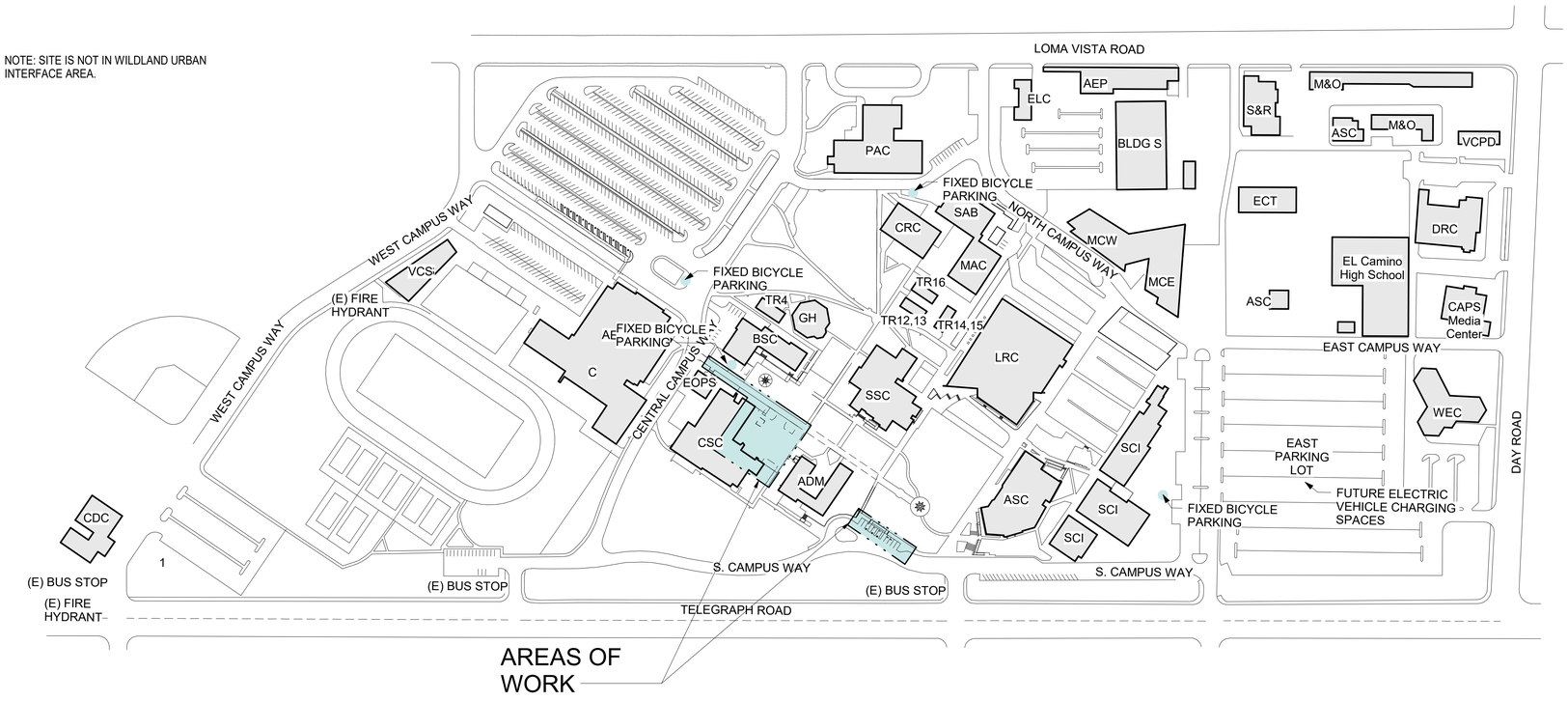
LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

SHEET TITLE:

ACCESSIBILITY NOTES AND DETAILS

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker
SHEET NUMBER: G0.03	
DATE: 01/27/2023	SHEET: ____ OF ____

NOTE: SITE IS NOT IN WILDLAND URBAN INTERFACE AREA.



CAMPUS PLAN	1" = 160'-0"	1

VENTURA COLLEGE CAMPUS BUILDING NAMES

ADM-	ADMINISTRATION	A#15677; 27140
AEC-	ATHLETIC EVENT CENTER	A#11580
AEP-	AUTO EDUCATION PROGRAM	A-14624; A-21069;A-28512
ASC-	APPLIED SCIENCE CENTER	A#114511
BCS-	BOOKSTORE & CAMPUS SERVICES	A#25814
BLDG S	BUILDING S (WAM)	A#11482; 03-110238;
C-	KINESIOLOGY	-
CDC-	CHILD DEVELOPMENT CENTER	A#53955
CRC-	CREATIVE RESOURCES CENTER	A#23750
CSC-	**CAMPUS STUDENT CENTER**	**A#26943; 28632; 10764; 108901**
DRC-	DAY ROAD CENTER	-
ECT-	ENVIRONMENTAL/CONSTRUCTION TECHNIOLOGY	-
ELC-	ENGLISH LEARNING CENTER	A-23724; A-26529
EOPS-	EOPS	A#39845
GH-	GUTHRIE HALL	A#39845
HSC-	HEALTH SCIENCE CENTER	A#51118
HH-	HEAD HOUSE	-
LRC-	LEARNING RESOURCE CENTER	-
M-	CERAMICS & SCULPTURE	A#104598, 104498
MAC-	MEDIA ARTS CENTER	-
M&O-	MAINTENANCE & OPERATIONS	A#27982; 36633
MCE-	MULTIDISCIPLINARY CENTER EAST	-
MCW-	MULTIDISCIPLINARY CENTER WEST	-
NMG-	NEW MEDIA GALLERY	-
PAC-	PERFORMING ARTS CENTER	-
SAB-	STUDIO ARTS BUILDING	A#23750; 44935; 45630
SC-	SCIENCES & MATHEMATICS	A#11482
SSC-	STUDENT SERVICES CENTER	A#60113
S&R-	SHIPPING & RECEIVING/WAREHOUSE	A#10623
TR 4-	CLASSROOM	-
TR12-15-	TRAILER CLASSROOMS	A#03-110740
TR 16-	NURSING SKILLS LAB	A#03-110740
VCS-	VENTURA COLLEGE SPORTSPLEX	-
VCPD-	VENTURA COLLEGE CAMPUS POLICE	-
WEC-	WRIGHT EVENT CNETER	-

DIVISION OF THE STATE ARCHITECT

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
JEAN ANN AMADOR
C-22205
STATE OF CALIFORNIA

SHEET TITLE:

CAMPUS SITE PLAN

PROJECT NO. 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

G0.04

DATE: 01/27/2023 | SHEET: ____ OF ____

SURVEY NOTES:

1. TOPOGRAPHIC AND UTILITY INFORMATION WAS OBTAINED FROM A FIELD SURVEY PREPARED BY MOLLENHAUER GROUP SURVEY, DATED AUGUST 25, 2022. EXISTING CONTOURS, SPOT ELEVATIONS AND OTHER EXISTING TOPOGRAPHIC FEATURES SHOWN HEREON ARE A TRUE REPRESENTATION OF SITE CONDITIONS ON THE DATE THE SURVEY WAS PREPARED.

2. THE DRAWINGS FOR THIS PROJECT ARE DIVIDED INTO SEPARATE SHEETS FOR GENERAL CONVENIENCE ONLY. THE SHEET DESIGNATIONS OR NUMBERS SHALL NOT BE CONSIDERED TO LIMIT AREAS OF WORK RESPONSIBILITY, OR TRADES. THE CONTRACTOR SHALL COORDINATE THE DRAWINGS, SPECIFICATIONS, AND PROJECT MANUAL AS REQUIRED TO COMPLETE THE PROJECT AS DESIGNED.

LEGEND:

PROPERTY LINE		
CENTER LINE		
CHAIN LINK FENCE	C.L.F OR	x x x
FINISH (DESIGN) GRADE CONTOUR		70.50
FLOW LINE	F.L. OR	
GRADE CHANGE	G.C. OR	
STEEL HANDRAIL	S.H.R.	
RIDGE LINE		R
SAFETY & TECHNOLOGY		S&T
NEW ELECTRICAL CONDUIT		E
NEW GAS LINE		G
NEW SEWER LINE		S
NEW WATER LINE		W
REMOVE EXISTING UTILITY LINE		(SD)
BANG BOARD		
LIMIT OF WORK		
ASPHALTIC CONCRETE		AC
AIR VENT		AV
ACID WASTE		AW
BACK OF WALK		BW
BASEBALL BACK STOP		BBBS
BOTTOM OF EXCAVATED PLANE		BEP
CAST IRON PIPE		CIP
CATCH BASIN		CB
CEMENT CONCRETE		CC
CLEANOUT		CO
CONCRETE SUB-SLAB		CSS
CURB FACE		CF
DISINTEGRATED GRANITE		DG
DETECTOR CHECK		DC
DOWNSPOUT		DS
DRINKING FOUNTAIN		DF
DRIVEWAY		DWY
EDGE OF GUTTER		EG
EXISTING ELECTRICAL CONDUIT		(E)
EXISTING GAS LINE		(G)
EXISTING SEWER LINE		(SS)
EXISTING STORM DRAIN LINE		(SD)
EXISTING WATER LINE		(W)
FINISHED FLOOR		FF
FIRE HYDRANT		FH
FLOW LINE		FL
FINISH SURFACE		FS
FOOTING		FTG
GAS METER		GM
GROUND		GND
GUY WIRE		GW
HOSE BIBB		HB
INVERT ELEVATION		IE
LIGHT STANDARD		LS
MANHOLE		MH
METAL STORAGE CONTAINER		MSC
MOWING STRIP		MS
NO TREE		NT
PLANTING AREA		PA
POINT OF INTERSECTION		PI
POWER POLE		PP
STREET SIGN		SS
TOP OF BOTTOM STEP		TBS
TOP OF CURB		TC
TOP OF GRATE		TG
TOP OF HEADER		TH
TOP OF TOP STEP		TTS
TOP OF WALL		TW
TREE, EXISTING (SIZE NOTED)		X"
VERIFY IN FIELD		V.I.F.
WATER METER		WM
WATER VAULT		W VLT
FIRE ALARM VAULT		FA VLT
DATA VAULT		D VLT
POWER VAULT		P VLT
SIGNAL VAULT		S VLT
WOOD STORAGE CONTAINER		WSC
YARD BOX GROUND ROD		YB GRD R
YARD BOX (SEWER,WATER,GAS,ELECTRICAL)		YB(S,W,G,E)

DIGALERT 811

GENERAL NOTES:

1. NOT USED

2. CONSTRUCT STRAIGHT GRADES BETWEEN ELEVATIONS SHOWN ON PLAN UNLESS INTERRUPTED BY A GRADE CHANGE LINE. ANY DEVIATION FROM THE GRADING PLAN MUST HAVE PRIOR APPROVAL FROM THE ENGINEER.

3. ADJUST TO DESIGN GRADE TOP OF EXISTING VALVE BOXES WITHIN AREAS TO BE REGRADED AS SHOWN ON PLAN.

4. MAINTAIN A RECORD OF LOCATION OF UTILITY MARKERS ON THE AS-BUILT PLAN AND REINSTALL THEM AFTER PAVING. REPLACE BENT OR UNUSABLE MARKERS. FOR ALL UTILITY LINES DISCOVERED WITHIN THE WORK AREA, INSTALL BRASS UTILITY MARKERS INDICATING DIRECTIONS OF LINES AT ALL CHANGES IN DIRECTIONS AFTER PAVING. INFORM THE SURVEYOR TO LOCATE AND RECORD ACTUAL LOCATIONS.

5. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.

6. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 CALIFORNIA BUILDING CODE, CAL-OSHA, CITY, COUNTY AND STATE REQUIREMENTS, THE GOVERNING BUILDING AUTHORITY, ANY SPECIAL REQUIREMENTS OF THE BUILDING PERMIT, AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OF ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND THOSE CODES LISTED IN THESE NOTES AND SPECIFICATIONS. ALL CODES, AND SPECIFICATIONS SHALL BE AS AMENDED TO DATE. IN THE EVENT OF A CONFLICT BETWEEN ANY OF THE GOVERNING CODES THE MORE STRICT INTERPRETATION SHALL GOVERN. ANY VIOLATION OF THESE CODES ON THE PART OF THE CONTRACTOR WILL RESULT IN STOPPING OF ALL WORK UNTIL THE VIOLATION IS CORRECTED.

7. THE DRAWINGS AND SPECIFICATIONS DESCRIBE IN GENERAL THE QUALITY AND CHARACTER OF THE MATERIALS, SHAPE AND CONFIGURATION OF SITES, STRUCTURES AND METHOD OF INSTALLATION. MISCELLANEOUS ITEMS OF WORK, MATERIAL, EQUIPMENT, ETC., NECESSARY TO COMPLETE THE INSTALLATION SHALL BE PROVIDED BY THE CONTRACTOR WHETHER OR NOT MENTIONED IN THESE NOTES OR SHOWN ON THE DRAWINGS. SPECIFIC NOTES AND DETAILS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. TYPICAL DETAILS AND GENERAL NOTES ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE. WHERE NO DETAILS ARE SHOWN CONSTRUCTION SHALL CONFORM TO SIMILAR WORK ON PROJECT.

8. THE CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO INSTALL AND ERECT THE CONSTRUCTION AS REQUIRED TO PROPERLY COMPLETE THE WORK. THE CONTRACTOR SHALL PROVIDE TEMPORARY ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., FOR ALL MEMBERS AS REQUIRED FOR THE STABILITY OF THE SITE OR THE STRUCTURE(S) DURING ALL PHASES OF CONSTRUCTION ADEQUATELY DESIGNED FOR THE IMPOSITION OF ALL LOADS DURING CONSTRUCTION. THE DRAWINGS SHOW THE FORM OF THE COMPLETED CIVIL IMPROVEMENTS EXCLUSIVE OF ANY PROVISIONS FOR BRACING OR SHORING DURING CONSTRUCTION. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER AND ARCHITECT OF ANY CONDITION WHICH MIGHT ENDANGER THE STABILITY OF THE SITE OR STRUCTURE(S) OR CAUSE DISTRESS OF THE EXISTING STRUCTURE(S). THE ENGINEER AND ARCHITECT ARE NOT RESPONSIBLE FOR INSPECTION OF THE ELEMENTS DESCRIBED ABOVE, NOR WILL THE ENGINEER AND ARCHITECT BE RESPONSIBLE FOR THE CONTRACTOR'S MEANS, METHODS, TECHNIQUES OR SEQUENCES.

9. ANY REVISIONS OR ADDITIONAL WORK REQUIRED AS A RESULT OF FIELD CONDITIONS OR THE LOCAL GOVERNING AUTHORITIES SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND ARCHITECT BEFORE PROCEEDING REGARDLESS OF COST, TIME OR MATERIAL INCREASE. ANY ADDITIONAL WORK PERFORMED BY THE CONTRACTOR WITHOUT WRITTEN AUTHORIZATION SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR WHO SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO.

10. FIELD INVESTIGATE, VERIFY AND BE RESPONSIBLE FOR ALL CONDITIONS, ELEVATIONS AND DIMENSIONS OF THE PROJECT, AS SHOWN ON OR REFERENCED ON THE DRAWINGS, AND NOTIFY THE ENGINEER AND ARCHITECT ABOUT ANY CONDITION REQUIRING MODIFICATION. THE GENERAL CONTRACTOR AND EACH SUB-CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND SITE CONDITIONS BEFORE STARTING WORK, AND SHALL NOTIFY THE ARCHITECT AND ENGINEER OF ANY DISCREPANCIES. EXAMINE THE DRAWINGS AND SPECIFICATIONS AND CLEARLY UNDERSTAND THE EXISTING CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED PRIOR TO START OF WORK. ENTERING INTO AN AGREEMENT WITH THE DISTRICT INDICATES THAT THE CONTRACTOR HAS FAMILIARIZED HIMSELF OR HERSELF WITH EXISTING CONDITIONS ON THE PLAN, AND REVIEWED THE REQUIREMENTS OF CONTRACT DOCUMENTS. THE CONTRACT DOCUMENTS ILLUSTRATE THE INTENT OF THE WORK TO BE PERFORMED.

11. ANY AND ALL REVISIONS TO THE CONSTRUCTION DOCUMENTS SHALL BE IN WRITTEN CHANGE ORDER FORM AND APPROVED AND AUTHORIZED BY THE ENGINEER, ARCHITECT AND DSA BEFORE BEGINNING WORK.

12. THE CONTRACTOR SHALL MAINTAIN A CURRENT AND COMPLETE SET OF CONSTRUCTION DOCUMENTS ON THE JOB SITE DURING ALL PHASES OF CONSTRUCTION FOR USE OF ALL TRADES, AND SHALL PROVIDE ALL SUBCONTRACTORS WITH CURRENT CONSTRUCTION DOCUMENTS. CONTRACTOR SHALL CONSTRUCT THE WORK USING ONLY THE "ISSUE FOR CONSTRUCTION" DRAWINGS. WORK NOT IN FULL CONFORMANCE WITH THE "ISSUE FOR CONSTRUCTION" DRAWINGS SHALL BE REMOVED AND REPLACED AT THE CONTRACTOR'S EXPENSE AND TO THE SATISFACTION OF THE ENGINEER AND ARCHITECT.

13. ALL WORK LISTED, SHOWN, OR IMPLIED ON ANY CONSTRUCTION DOCUMENTS SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR, EXCEPT WHERE NOTED OTHERWISE. THE CONTRACTOR SHALL CLOSELY COORDINATE THE WORK WITH THAT OF OTHER SUB-CONTRACTORS OR EQUIPMENT VENDORS TO ASSURE THAT ALL SCHEDULES ARE MET AND THAT ALL WORK IS DONE IN CONFORMANCE TO MANUFACTURERS' REQUIREMENTS.

14. THE DRAWINGS FOR THIS PROJECT ARE DIVIDED INTO SEPARATE SHEETS FOR GENERAL CONVENIENCE ONLY. THE SHEET DESIGNATIONS OR NUMBERS SHALL NOT BE CONSIDERED TO LIMIT AREAS OF WORK, RESPONSIBILITY, OR TRADES. THE CONTRACTOR SHALL COORDINATE THE DRAWINGS, SPECIFICATIONS, AND PROJECT MANUAL AS REQUIRED TO COMPLETE THE PROJECT AS DESIGNED.

15. MATERIALS ARE SPECIFIED BY THEIR BRAND NAMES TO ESTABLISH STANDARDS OF QUALITY AND PERFORMANCE. ANY REQUEST FOR SUBSTITUTIONS SHALL BE SUBMITTED TO THE ENGINEER AND ARCHITECT FOR REVIEW AND APPROVAL AT THE TIME OF BIDDING. SUBSTITUTE MATERIALS SHALL NOT BE PURCHASED OR INSTALLED WITHOUT THE WRITTEN APPROVAL OF THE ENGINEER AND ARCHITECT.

16. IF THE CONTRACTOR PERFORMS ANY WORK OR PERMITS SUB-CONTRACTORS OR SUPPLIERS TO PERFORM THEIR WORK, KNOWING IT TO BE CONTRARY TO APPLICABLE LAWS, ORDINANCES, RULES AND REGULATIONS WITHOUT PRIOR NOTICE TO THE ENGINEER, ARCHITECT AND/OR THE DISTRICT, THEY SHALL ASSUME FULL RESPONSIBILITY AND SHALL BEAR ALL COSTS ATTRIBUTABLE THERETO.

17. NOT USED.

18. THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ARCHITECT REGARDING THE AVAILABILITY OF SPECIFIED MATERIALS PRIOR TO CONSTRUCTION. SHOULD NO NOTIFICATION BE GIVEN, IT WILL BE ASSUMED THAT MATERIALS ARE AVAILABLE.

19. ALL NON-SPECIFIED MATERIALS SHALL BE THE BEST OF THEIR RESPECTIVE TYPES, AND ALL LABOR INSTALLATION SHALL BE PERFORMED IN THE BEST POSSIBLE MANNER BY SKILLED WORKMEN.

20. THE CONTRACTOR IS RESPONSIBLE FOR THE CORRECT LOCATIONS OF ALL WORK TO SUIT BUILDING CONDITIONS. FIELD RESOLVE (OR IF SPECIFIED THROUGH THE GENERATION OF SHOP DRAWINGS) ALL WORK BETWEEN TRADES IN EQUIPMENT LOCATION INCLUDING, BUT NOT LIMITED TO, PIPING; CONDUIT RUNS; FIXTURES; COMMUNICATIONS; ALARMS; STRUCTURAL AND ARCHITECTURAL FEATURES. PHYSICALLY ARRANGE ALL SYSTEMS TO FIT IN THE SPACES AVAILABLE AT THE ELEVATIONS REQUIRED WITH CONSIDERATION FOR PROPER CLEARANCES AND ACCESSIBILITY.

21. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL WORK NECESSARY TO IMPLEMENT AN ARCHITECT/ENGINEER-APPROVED CONTRACTOR-SUGGESTED OPTION, AND THE CONTRACTOR SHALL COORDINATE ALL DETAILS.

22. APPROVAL BY THE INSPECTOR OF RECORD (IOR) DOES NOT MEAN APPROVAL OR ALLOWABLE FAILURE TO COMPLY WITH THE PLANS AND SPECIFICATIONS. ANY DESIGN WHICH FAILS TO BE CLEAR OR IS AMBIGUOUS MUST BE REFERRED TO THE ARCHITECT OF RECORD (AOR) FOR INTERPRETATION OR CLARIFICATION.

23. NOT USED.

24. THE CONTRACTOR SHALL TAKE ALL MEASUREMENTS AT THE BUILDING AND SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE PROCEEDING WITH ANY WORK. SHOULD ANY VARIATION BE FOUND, THE MATTER SHALL BE REFEREED TO ARCHITECT FOR JUDGEMENT. THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR THE PROPER FITTING OF THE WORK IN PLACE.

25. IF, IN THE OPINION OF THE CONTRACTOR, ANY WORK IS SHOWN ON THE DRAWINGS OR DETAILS IN A MANNER AS WILL MAKE IT IMPOSSIBLE TO PRODUCE A FIRST QUALITY PIECE OF WORK, OR SHOULD DISCREPANCIES APPEAR BETWEEN THE DRAWINGS AND/OR DETAILS, THE CONTRACTOR SHALL REFER THE CONDITION TO THE ENGINEER AND ARCHITECT FOR INTERPRETATION AND DIRECTION BEFORE PROCEEDING WITH THE WORK. IF THE CONTRACTOR FAILS TO CONSULT THE ENGINEER AND ARCHITECT, NO EXCUSE WILL THEREAFTER BE ENTERTAINED FOR FAILURE TO CARRY OUT THE WORK IN A SATISFACTORY MANNER, AS DIRECTED.

26. THE CONTRACTOR SHALL KEEP AT THE SITE OF THE WORK ONE COPY OF PLANS AND SPECIFICATIONS SIGNED AND APPROVED BY THE DIVISION OF STATE ARCHITECT AND SHALL AT ALL TIMES GIVE THE ENGINEER, ARCHITECT AND OTHERS APPROPRIATE PARTIES ACCESS THERETO. IN THE CASE OF ANY CONFLICT OR INCONSISTENCY BETWEEN THE PLANS, DETAILS AND SPECIFICATIONS, THE ONE REQUIRING GREATER QUANTITY OR SUPERIOR QUALITY SHALL PREVAIL, AS DECIDED IN WRITING BY THE ARCHITECT. ANY DISCREPANCY BETWEEN FIGURES AND DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT, WHO'S WRITTEN DECISION THEREON SHALL BE CONCLUSIVE.

27. ALL WORK, ALL MATERIALS, WHETHER INCORPORATED IN THE WORK OR NOT, ALL PROCESSES OR MANUFACTURE, AND ALL METHODS OF CONSTRUCTION, SHALL BE AT ALL TIMES AND PLACES, SUBJECT TO INSPECTION OF THE ARCHITECT WHO SHALL BE THE FINAL JUDGE OF THE QUALITY AND SUITABILITY OF THE ENGINEERING WORK. SHOULD THEY FAIL TO MEET THE ARCHITECT'S APPROVAL, THEY SHALL BE FORTHWITH RECONSTRUCTED, MADE GOOD, REPLACED AND/OR CORRECTED AS THE CASE MAY BE, BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

28. BEFORE PROCEEDING WITH THE LAYOUT OF CONSTRUCTION OR THE SETTING OF GRADE AND ALIGNMENT STAKES, THE CONTRACTOR SHALL ACCURATELY CHECK ALL CONTROL LINES, AXES CONTROL ELEVATIONS, AND BENCH MARKS TO VERIFY THAT THESE CONTROLLING ITEMS ARE IN AGREEMENT WITH THE DRAWINGS. SHOULD ANY DISCREPANCIES OCCUR, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT FOR INSTRUCTIONS PRIOR TO COMMENCING WORK. IF THE CONTRACTOR FAILS TO CHECK THE ABOVE MENTIONED ITEMS FOR DISCREPANCIES AND DOES NOT NOTIFY THE ARCHITECT, THE CONTRACTOR SHALL BEAR THE COST OF ALL RESULTING CHANGES RELATED TO THAT PORTION OF THE WORK.

29. PROVISIONS SHALL BE MADE FOR CONTRIBUTORY DRAINAGE AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE PROTECTIVE MEASURES AND TEMPORARY DRAINAGE AND DESILTING. FACILITIES TO PROTECT ADJOINING PROPERTIES AND THE PUBLIC RIGHT-OF-WAY FROM MUD, SILT AND STORM WATERS ORIGINATING ON OR DIVERTED FROM THE CONSTRUCTION SITE.

30. THE DRAWINGS FOR THIS PROJECT ARE DIVIDED INTO SEPARATE SHEETS FOR GENERAL CONVENIENCE ONLY. THE SHEET DESIGNATIONS OR NUMBERS SHALL NOT BE CONSIDERED TO LIMIT AREAS OF WORK, RESPONSIBILITY OR TRADES. THE CONTRACTOR SHALL REVIEW THE DRAWINGS, SPECIFICATION, AND PROJECT MANUAL AS REQUIRED TO COMPLETE THE PROJECT AS DESIGNED.

31. UNDERGROUND SERVICE ALERT: BEFORE COMMENCING ANY EXCAVATION, THE CONTRACTOR SHALL OBTAIN AN UNDERGROUND SERVICE ALERT (USA) INQUIRY I.D. NUMBER BY CALLING (800) 227-2600. TWO WORKING DAYS SHALL BE ALLOWED AFTER THE I.D. NUMBER IS OBTAINED AND BEFORE THE CONTRACTOR STARTS THE EXCAVATION WORK SO THAT UTILITY OWNERS CAN BE NOTIFIED. IF THE UTILITY OWNER IS THE CITY OF LOS ANGELES, A CONFIRMATION NUMBER INDICATING THE CITY HAS BEEN NOTIFIED SHALL BE OBTAINED BY USA AND/OR THE CONTRACTOR FROM THE APPROPRIATE CITY DEPARTMENT. THE I.D. NUMBER TOGETHER WITH THE DATE ACQUIRED SHALL BE REPORTED TO THE BUREAU OF CONTRACT ADMINISTRATION WHEN CALLING FOR INSPECTION. I.D. NUMBERS WILL NOT BE GIVEN MORE THAN 10 DAYS BEFORE STARTING EXCAVATION WORK.

SHEET INDEX

SHEET NO.	SHEET TITLE
C1.0	NOTES AND LEGEND
C2.0	DEMOLITION PLAN
C2.1	DEMOLITION PLAN
C3.0	GRADING PLAN
C3.1	GRADING PLAN
C4.0	DETAILS
C5.0	EROSION CONTROL NOTES
C5.1	EROSION CONTROL PLAN

LICENSED ARCHITECT DEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

BENCH MARK

COUNTY OF VENTURA BENCHMARK NO. 12-148

AT THE NORTHWESTERLY CORNER OF THE INTERSECTION OF THE WESTERLY ENTRANCE TO VENTURA COLLEGE WITH TELEGRAPH ROAD AND CLAREMONT WAY, 75.0 FEET NORTHERLY FROM THE NORTHERLY CURB FACE OF TELEGRAPH ROAD, 10.0 FEET EASTERLY FROM A STREET LIGHT STANDARD. (NOTE: CLAREMONT WAY IS AN ENTRANCE TO VENTURA COLLEGE)

ELEVATION = 212.70 FEET (NAVD88 -1997 ADJUSTMENT)

****

COUNTY OF VENTURA BENCHMARK NO. H 16-102

AT THE INTERSECTION OF LOMA VISTA ROAD WITH PURDUE AVE. ON THE SOUTHERLY SIDE OF LOMA VISTA ROAD, 5.0 FEET WESTERLY FROM THE SOUTHERLY PROLONGATION OF CENTER OF PURDUE AVE.

ELEVATION = 245.52 FEET (NAVD88 -GPS MEASUREMENT)

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
MOORPARK OXNARD VENTURA

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR
amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

MOLLENHAUER GROUP
CIVIL ENGINEERING
SURVEYING+MAPPING
LAND DEVELOPMENT
213 624 2661 TEL
818 937 9899 TEL
919 W. GLENOAKS BLVD., 2nd FLOOR
GLENDALE, CA 91202

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER THOMAS M. TRAN No. 82464 CIVIL STATE OF CALIFORNIA

SIGNED JAN 30 2023

△ DESIGN DEVELOPMENT	2022-10-04
△ DSA SUBMITTAL	2022-11-29
△	
△	

SHEET TITLE:

NOTES AND LEGEND

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

C1.0

DATE: 01-27-2023 | SHEET: . OF X

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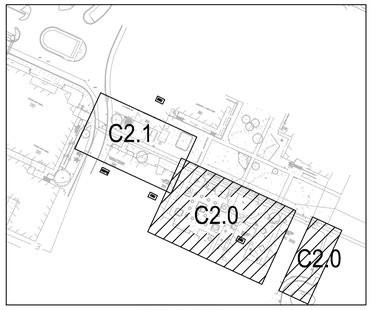

KEYMAP

DEMOLITION NOTES:

1. CONCRETE PAVEMENT
2. CONCRETE BENCH
3. CLEAR AND GRUB
4. SIGN
5. HOSE BIBB
7. GUARD RAIL AND FOOTING
(A) ADJUST TO GRADE
(S) SALVAGE EXISTING SITE FURNITURE
(P) PROTECT IN PLACE

DEMOLITION GENERAL NOTES:

1. REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION AND ANY UTILITIES WORK REQUIRED OUTSIDE OF LIMITS OF WORK.
2. PROTECT EXISTING UTILITY LINES IN PLACE UNLESS OTHERWISE NOTED.
3. THE CONTRACTOR SHALL TAKE NECESSARY MEASURES TO PROTECT THE INTEGRITY OF THE ADJACENT STRUCTURES, POWER POLES, AND ANY IMPROVEMENTS OF ADJACENT PROPERTIES DURING DEMOLITION AND CONSTRUCTION.
4. THE CONTRACTOR SHALL REPAIR AND RESTORE ANY STRUCTURES OR ADJOINING WALLS THAT ARE DAMAGED DURING DEMOLITION.
5. DEPRESSIONS GREATER (DEEPER) THAN 18" BELOW ADJACENT OR PROPOSED FINISH GRADE SHALL BE LEFT OPEN AND SHALL NOT BE FILLED IN OR SMOOTHED OVER UNTIL THE EXPOSED SUBGRADE IS OBSERVED BY THE GEOTHECHNICAL REPRESENTATIVE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR THE RESTORATION OF ALL OBLITERATED STRIPING AND PAVEMENT MARKINGS AND FOR THE REINSTALLATION OF ALL MISSING, DAMAGED AND NECESSARY TRAFFIC CONTROL DEVICES (INCLUDING BUT NOT LIMITED TO SIGNS, CURB MARKINGS AND SPEED BUMPS)

LEGEND:

- LIMIT OF WORK
- SAWCUT & JOIN LINE
- REMOVE EXISTING CONCRETE PAVEMENT [1]
- [#] ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED.

10' 5' 0' 5' 10' 20'

GRAPHIC SCALE
SCALE : 1"= 10'

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER — THOMAS M. TERAN — No. 82464 — CIVIL — STATE OF CALIFORNIA
SIGNED JAN 30 2023

LICENSED ARCHITECT — JEAN ANN AMADOR — C-22205 — STATE OF CALIFORNIA

DESIGN DEVELOPMENT	2022-10-04
DSA SUBMITTAL	2022-11-29

SHEET TITLE:

DEMOLITION PLAN

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

C2.0

DATE: 01-27-2023 SHEET: 5 OF X

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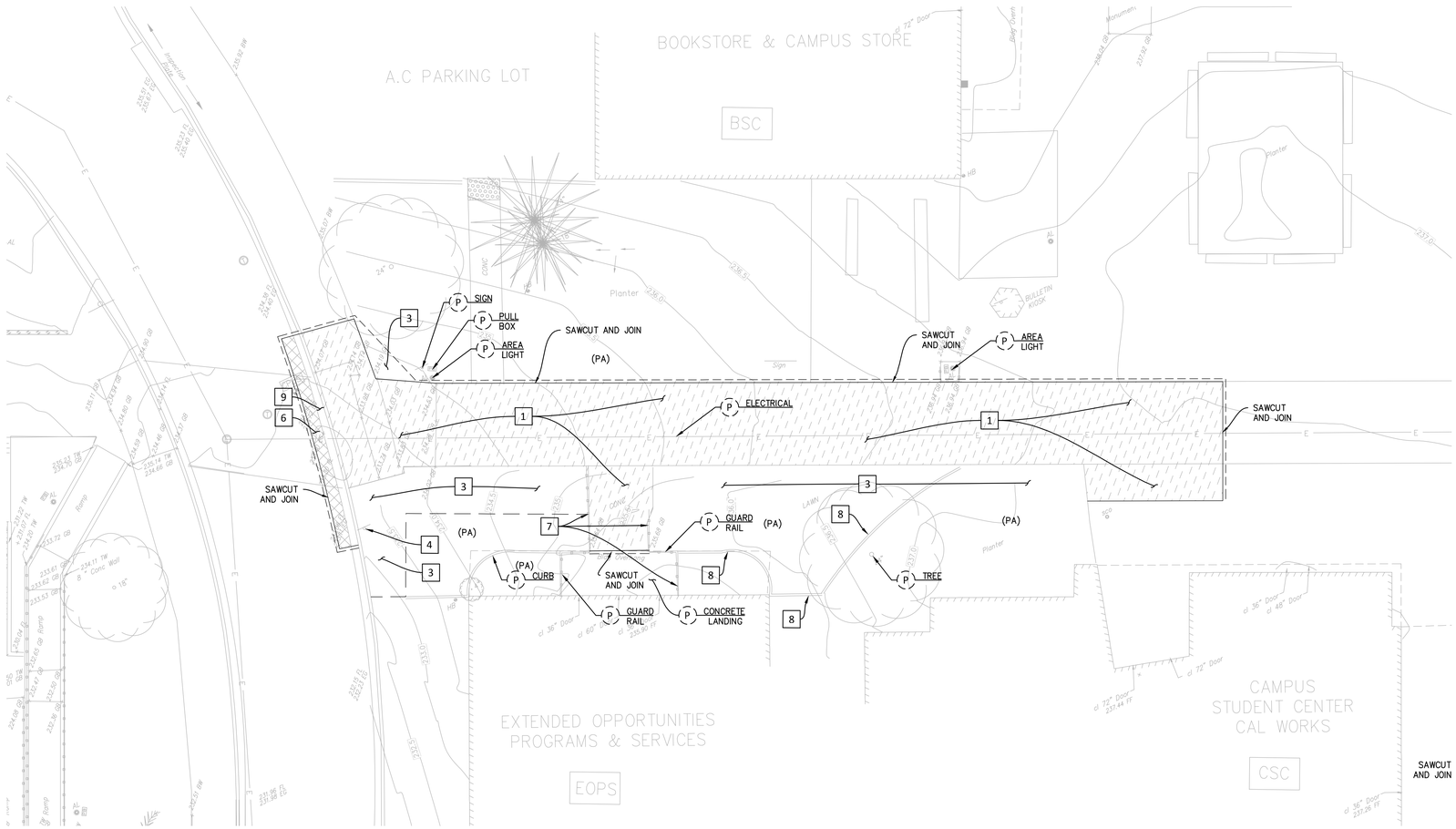

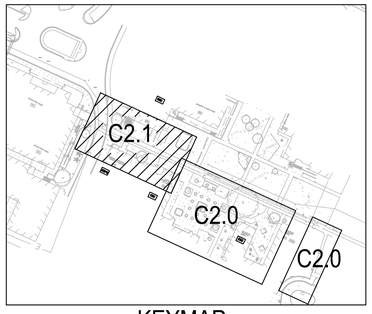

KEYMAP

DEMOLITION NOTES:

1. CONCRETE PAVEMENT
2. CONCRETE BENCH
3. CLEAR AND GRUB
4. SIGN
5. HOSE BIBB
6. ASPHALT CONCRETE PAVEMENT
7. GUARD RAIL AND FOOTINGS
8. CONCRETE CURB
9. CURB AND GUTTER
- (A) ADJUST TO GRADE
- (S) SALVAGE EXISTING SITE FURNITURE
- (P) PROTECT IN PLACE

DEMOLITION GENERAL NOTES:

1. REFER TO CIVIL AND ARCHITECTURAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION AND ANY UTILITIES WORK REQUIRED OUTSIDE OF LIMITS OF WORK.
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LEGEND:

- LIMIT OF WORK
- SAWCUT & JOIN LINE
- REMOVE EXISTING CONCRETE PAVEMENT [1]
- REMOVE EXISTING ASPHALT CONCRETE PAVEMENT [6]
- [#] ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED.

10' 5' 0' 5' 10' 20'

GRAPHIC SCALE
SCALE : 1"= 10'

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DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
THOMAS M. TRAN
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LICENSED ARCHITECT
JEAN ANN AMADOR
C-22205
STATE OF CALIFORNIA

SIGNED JAN 30 2023

DESIGN DEVELOPMENT	2022-10-04
DSA SUBMITTAL	2022-11-29

SHEET TITLE:

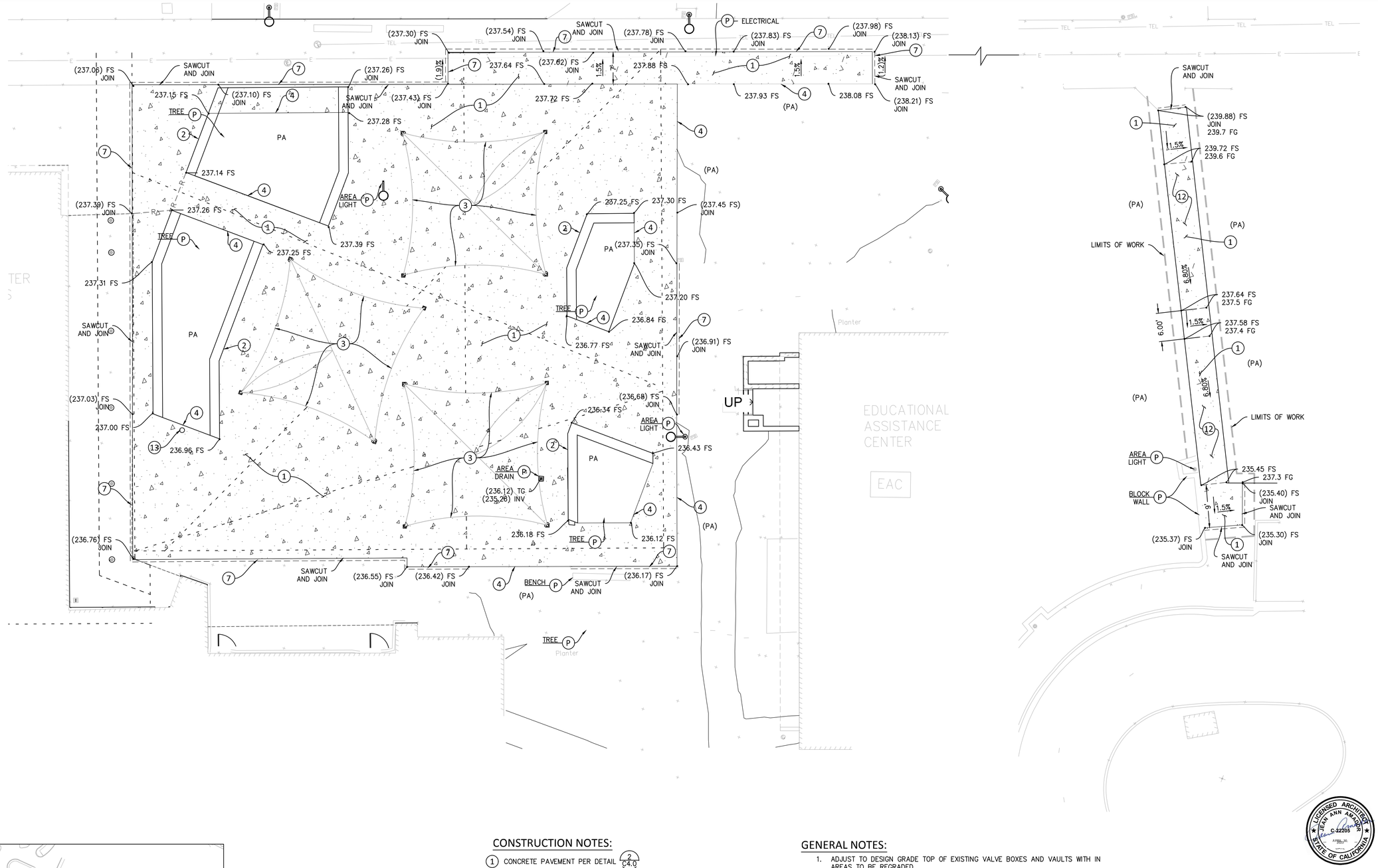
DEMOLITION PLAN

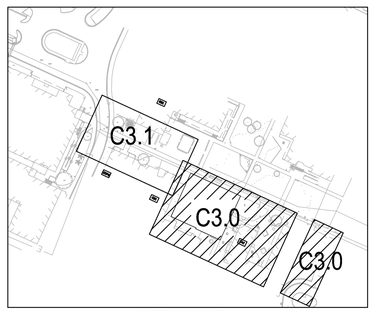
PROJECT NO: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

C2.1

DATE: 01-27-2023	SHEET: . OF X





KEYMAP

CONSTRUCTION NOTES:

1. CONCRETE PAVEMENT PER DETAIL 2/C4.0
2. CONCRETE PLANTERS, SEE ARCHITECTURAL PLANS FOR DETAILS
3. SHADE STRUCTURE, SEE ARCHITECTURAL PLANS FOR DETAILS
4. THICKENED EDGE PER DETAIL 4/C4.0
7. #4 DOWELS 18" LONG, MINIMUM 8" EXPOXIED EMBEDMENT PER DETAIL
12. CONCRETE RAMP WITH HANDRAILS, SEE ARCHITECTURAL DRAWING FOR DETAILS
13. DRINKING FOUNTAIN. SEE ARCHITECTURAL PLAN FOR DETAIL
P. PROTECT IN PLACE

GENERAL NOTES:

1. ADJUST TO DESIGN GRADE TOP OF EXISTING VALVE BOXES AND VAULTS WITH IN AREAS TO BE REGRADED.
2. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.

LEGEND:

REMOVE EXISTING CONCRETE PAVEMENT AND CONSTRUCT CONCRETE PAVEMENT PER DETAIL 2/C4.0

ACCESSIBLE PATH OF TRAVEL

RIDGE LINE

10' 5' 0' 5' 10' 20'

GRAPHIC SCALE
SCALE : 1"= 10'

LICENSED ARCHITECT
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SIGNED JAN 30 2023

1	DESIGN DEVELOPMENT	2022-10-04
2	DSA SUBMITTAL	2022-11-29
3		
4		

SHEET TITLE:

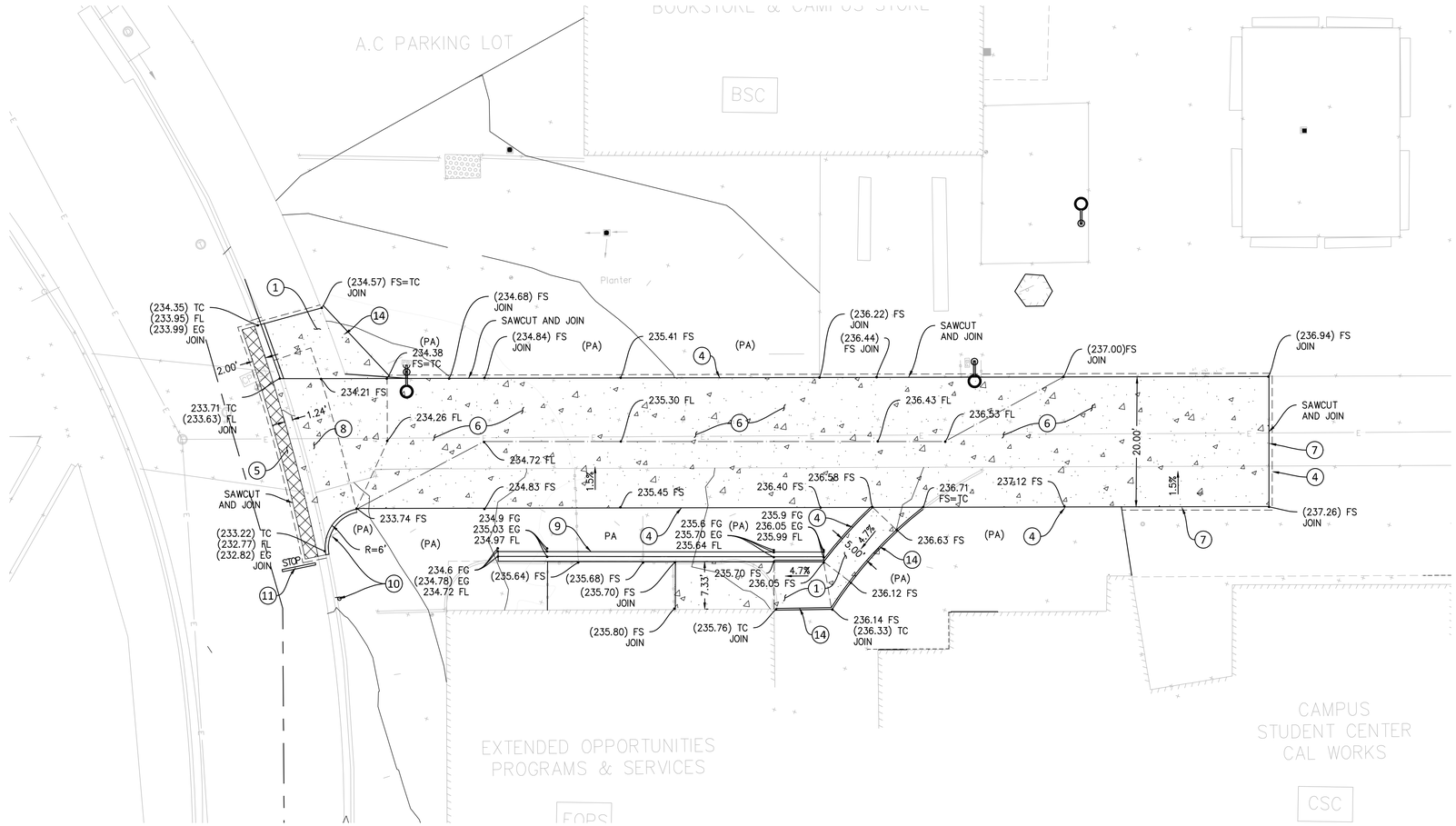
GRADING PLAN

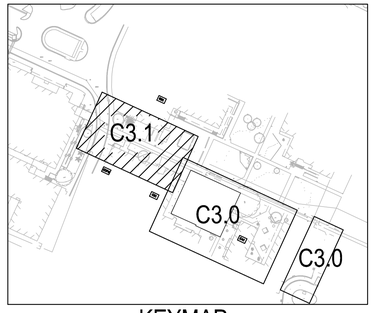
PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

C3.0

DATE: 01-27-2023 SHEET: . OF X





KEYMAP

CONSTRUCTION NOTES:

1. CONCRETE PAVEMENT PER DETAIL 2/C4.0
2. CONCRETE PLANTERS, SEE ARCHITECTURAL PLANS FOR DETAILS
3. SHADE STRUCTURE, SEE ARCHITECTURAL PLANS FOR DETAILS
4. THICKENED EDGE PER DETAIL 4/C4.0
5. ASPHALT CONCRETE PAVEMENT PER DETAIL 5/C4.0
6. VEHICULAR CONCRETE PAVEMENT PER DETAIL 1/C4.0
7. #4 DOWELS 18" LONG, MINIMUM 8" EXPOXIED EMBEDMENT PER DETAIL
8. CONCRETE DRIVEWAY PER MODIFIED SPPWC-110-2, 6" MINIMUM THICKNESS. (TYPE A: X=3' Y=6', TYPE C: R=6') 3,000 PSI CONCRETE COMPRESSIVE STRENGTH
9. COMBINATION MOWING STRIP-GUTTER PER DETAIL 6/C4.0
10. RELOCATE EXISTING STOP SIGN
11. PAVEMENT MARKING TO MATCH EXISTING
14. CONCRETE CURB PER DETAIL 7/C4.0

P. PROTECT IN PLACE

GENERAL NOTES:

1. ADJUST TO DESIGN GRADE TOP OF EXISTING VALVE BOXES AND VAULTS WITH IN AREAS TO BE REGRADED.
2. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
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LEGEND:

REMOVE EXISTING CONCRETE PAVEMENT AND CONSTRUCT CONCRETE PAVEMENT PER DETAIL 2/C4.0

REMOVE EXISTING ASPHALT CONCRETE PAVEMENT AND CONSTRUCT ASPHALT PAVEMENT PER DETAIL 5/C4.0

ACCESSIBLE PATH OF TRAVEL

RIDGE LINE

10' 5' 0' 5' 10' 20'

GRAPHIC SCALE
SCALE : 1"= 10'

LICENSED ARCHITECT
JEFF ANN AMADOR
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SIGNED JAN 30 2023

DESIGN DEVELOPMENT	2022-10-04
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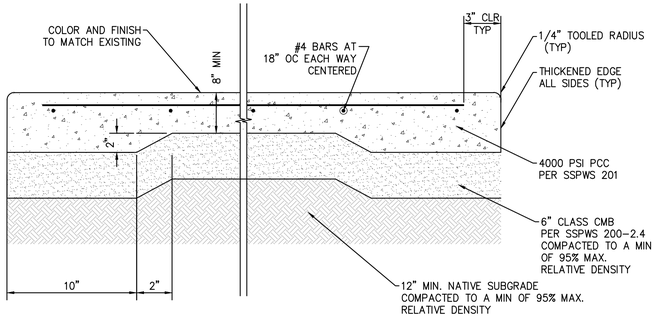
SHEET TITLE:

GRADING PLAN

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker
SHEET NUMBER:	

C3.1

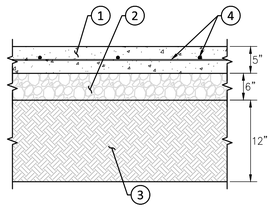
DATE: 01-27-2023 | SHEET: . OF X



NOTE:

1. CONTROL JOINTS SHALL BE CONSTRUCTED TO MATCH EXISTING PAVEMENT. OTHERWISE CONTROL JOINTS SHALL NOT EXCEEDS 10'X10' SQUARE.
2. CONSTRUCT ISOLATION JOINTS WHERE PAVEMENT ABUTS AGAINST EXISTING STRUCTURE OF CONCRETE PAVEMENT.
3. THE UPPER 1 FOOT OF SOIL SUBGRADE IN AREAS TO RECEIVE NEW ON-GRADE CONCRETE SHOULD BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY ASTM D1557. THE SUBGRADE SHOULD BE REMOVED AND PROCESSED TO PEA-SIZED CONSISTENCY OR FINER AT BETWEEN 0 AND 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT PRIOR TO RECOMPACTION. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION

CONCRETE VEHICULAR PAVEMENT — N.T.S. — 1



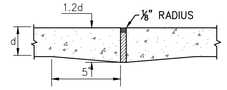
NOTES:

1. PORTLAND CEMENT CONCRETE PAVEMENT, f'c=4,000 psi
2. CRUSHED AGGREGATE BASE 95% OF MAXIMUM DRY DENSITY
3. 12 INCHES OF SUBGRADE COMPACTED TO A MINIMUM OF 95% OF MAXIMUM DRY DENSITY, SEE NOTE BELOW
4. #4 BARS @ 18", ON CENTER EACH WAY, SUPPORTED AT CENTER OF CONCRETE SECTION DURING POUR

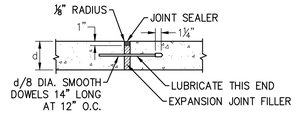
NOTE:

THE UPPER 1 FOOT OF SOIL SUBGRADE IN AREAS TO RECEIVE NEW ON-GRADE CONCRETE SHOULD BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY ASTM D1557. THE SUBGRADE SHOULD BE REMOVED AND PROCESSED TO PEA-SIZED CONSISTENCY OR FINER AT BETWEEN 0 AND 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT PRIOR TO RECOMPACTION. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION

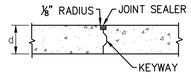
PORTLAND CEMENT CONCRETE PAVEMENT — N.T.S. — 2



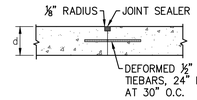
TYPE A
EXPANSION JOINT



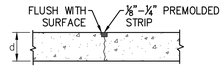
TYPE A
ALTERNATE EXPANSION JOINT



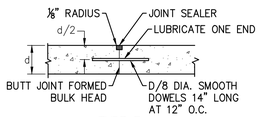
TYPE B
LONGITUDINAL CONSTRUCTION JOINT



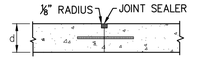
TYPE C
TIED BUTT LONGITUDINAL CONSTRUCTION JOINT



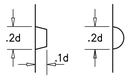
TYPE D
SAWED OR PREMOLDED STRIP
LONGITUDINAL OR TRANSVERSE
CONTRACTION JOINT



TYPE E
PLANNED TRANSVERSE CONSTRUCTION JOINT
(USED AT NORMAL JOINT SPACING)

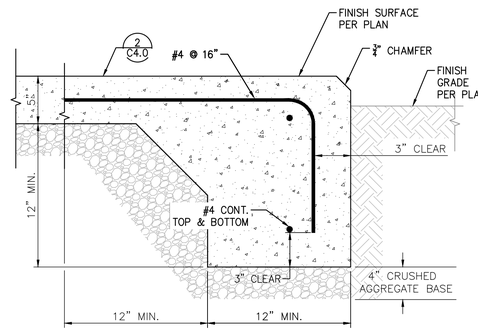


TYPE F
EMERGENCY TIED TRANSVERSE CONSTRUCTION JOINT
(USED AT MIDDLE THIRD OF NORMAL JOINT SPACING)



KEYWAYS FOR TYPE B AND F
CONSTRUCTION JOINTS

CONCRETE JOINT DETAIL — N.T.S. — 3

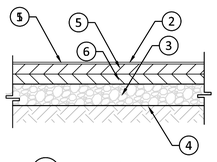


THICKENED EDGE — N.T.S. — 4

LOCATION	ASPHALT CONCRETE		BASE COURSE		
	THICKNESS	CLASS	THICKNESS EXISTING PAVED SITE	TYPE	GRADE
PARKING, FIRE LANE	6"	STATE ½"MIX	6"	CAB	FINE

LEGEND:

1. A.C. SURFACING
2. 2 COATS OF SURFACE SEAL
3. BASE COURSE. COMPACT TO 95%
4. 12" SUB-GRADE. COMPACT TO 95%. SEE NOTE
5. A.C. SURFACING STATE ½" MIX (3" MAX.)
6. A.C. SURFACING STATE ¾" MIX

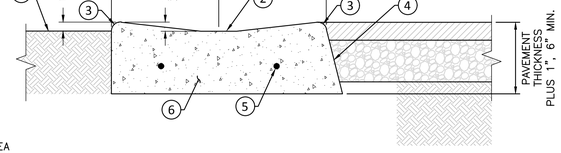


A OVER 3" THICK

NOTE:

THE UPPER 1 FOOT OF SOIL SUBGRADE IN AREAS TO RECEIVE NEW ON-GRADE CONCRETE SHOULD BE COMPACTED TO A MINIMUM OF 95 PERCENT OF THE MAXIMUM DRY DENSITY DETERMINED BY ASTM D1557. THE SUBGRADE SHOULD BE REMOVED AND PROCESSED TO PEA-SIZED CONSISTENCY OR FINER AT BETWEEN 0 AND 2 PERCENT ABOVE OPTIMUM MOISTURE CONTENT PRIOR TO RECOMPACTION. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION

ASPHALT CONCRETE PAVEMENT — N.T.S. — 5

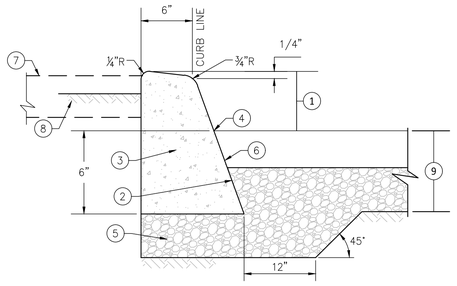


LEGEND:

1. TURF AREA
2. 3" WIDE METAL TROWEL FINISH MINIMUM SLOPE = 0.40%
3. ¾" RADIUS
4. 3H:12V BATTER
5. 2-#4 BAR CONTINUOUS
6. CONSTRUCT COMBINATION MOWING STRIP WITH 520-C-2500 GRADE CONCRETE

NOTE: TO BE USED ALONG UPPER EDGE OF TURF AREA WHERE TURF BUILD-UP WILL CAUSE PONDING

COMBINATION MOWING STRIP-GUTTER — N.T.S. — 6



LEGEND:

1. CURB FACE (CF) SHALL BE 6" UNLESS OTHERWISE INDICATED.
2. BATTER 1½:12.
3. PORTLAND CEMENT CONCRETE.
4. ELEVATION PER PLAN UNLESS OTHERWISE INDICATED.
5. BASE MATERIAL TO BE SAME THICKNESS AS ADJOINING PAVEMENT.
6. TACK COAT WHERE CURB ABUTS ASPHALT CONCRETE PAVEMENT.
7. SIDEWALK WHERE OCCURS (PREVENT BOND BETWEEN SIDEWALK AND CURB).
8. FINISH GRADE IN PLANTER AREAS TO BE 1½" BELOW TOP OF CURB.
9. PAVEMENT SECTION PER PLAN.

CONCRETE CURB — N.T.S. — 7

DIVISION OF THE STATE ARCHITECT

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APP: 03-122792 INC:
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VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

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C-22205
STATE OF CALIFORNIA

SIGNED JAN 30 2023

△	DESIGN DEVELOPMENT	2022-10-04
△	DSA SUBMITTAL	2022-11-29
△		
△		

SHEET TITLE:

DETAILS

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

C4.0

DATE: 01-27-2023 | SHEET: . OF X

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EROSION CONTROL NOTES:

TEMPORARY EROSION CONTROL MEASURES SHALL BE IN EFFECT ALL YEAR LONG.

TEMPORARY EROSION CONTROL MEASURES SHALL INCLUDE THE FOLLOWING REQUIREMENTS:

1. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS AND WHEN THE INSPECTOR SO DIRECTS AS THE WORK PROGRESSES TO MEET "AS GRADED" CONDITIONS.

2. ALL LOOSE SOIL AND DEBRIS SHALL BE REMOVED FROM THE STREET AREAS UPON STARTING OPERATIONS AND PERIODICALLY THEREAFTER AS DIRECTED BY THE INSPECTOR.

3. WHEN DIRECTED BY THE INSPECTOR, A 12-INCH BERM SHALL BE MAINTAINED ALONG THE TOP OF THE SLOPE OF THOSE FILLS ON WHICH GRADING IS NOT IN PROGRESS.

4. PROVIDE "VELOCITY CHECK DAMS" ACROSS THE OUTLETS OF ALL LOTS DRAINING INTO THE STREET.

5. ALL FILLS SHALL BE GRADED TO PROMOTE DRAINAGE AWAY FROM THE EDGES OF THE FILL.

6. STORM OR SEWER DRAIN TRENCHES THAT ARE CUT THROUGH BASIN DIKES OR BASIN INLET DIKES SHALL BE PLUGGED WITH SANDBAGS FROM TOP OF PIPE TO TOP OF DIKE. SEWER LINES SHALL FIRST BE ENCASED IN CONCRETE BEFORE PLACING SANDBAGS.

7. ALL UTILITY TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS FROM BOTTOM TO THE TOP WITH A DOUBLE ROW OF SANDBAGS PRIOR TO BACKFILL. STORM AND SEWER TRENCHES SHALL BE BLOCKED AT THE PRESCRIBED INTERVALS WITH A DOUBLE ROW OF SANDBAGS EXTENDING UPWARD, TO WITHIN TWO SANDBAGS FROM THE GRADED SURFACE OF THE STREET. SANDBAGS ARE TO BE PLACED WITH THE ALTERNATE HEADER AND STRETCHER COURSES. THE INTERVALS PRESCRIBED BETWEEN SANDBAG BLOCKING SHALL DEPEND ON THE SLOPE OF THE GROUND SURFACE, BUT NOT EXCEEDING THE FOLLOWING:

GRADE OF THE STREET	INTERVAL
LESS THAN 2%	AS REQUIRED
2% to 4%	100 FEET
4% to 10%	50 FEET
OVER 10%	25 FEET

8. PROVIDE STANDARD "VELOCITY CHECK DAMS" AT ALL UNPAVED STREET AREAS AT THE INTERVALS INDICATED IN PARAGRAPH 7 ABOVE. VELOCITY CHECK DAMS MAY BE CONSTRUCTED OF SANDBAGS, TIMBER, OR OTHER EROSION RESISTANT MATERIALS APPROVED BY THE INSPECTOR AND SHALL EXTEND COMPLETELY ACROSS THE STREET OR CHANNEL AT RIGHT ANGLES TO THE CENTERLINE OF THE STREET. EARTH DAMS MAY NOT BE USED AS A "VELOCITY CHECK DAM".

9. PROVIDE STANDARD "VELOCITY CHECK DAMS" AT ALL UNPAVED GRADED CHANNELS AT THE INTERVALS INDICATED BELOW.

GRADE OF CHANNEL	INTERVAL BETWEEN CHECK DAMS
LESS THAN 3%	100 FEET
3% TO 6%	50 FEET
OVER 6%	25 FEET

10. THE STANDARD "VELOCITY CHECK DAM" SHALL HAVE A MINIMUM HEIGHT OF 12-INCHES. VELOCITY CHECK DAMS ACROSS OUTLETS OF ALL LOTS SHALL HAVE A MINIMUM HEIGHT OF 18 INCHES. VELOCITY CHECK DAMS CONSTRUCTED WITH SANDBAGS THAT ARE 18 INCHES HIGH SHALL BE BUILT WITH A DOUBLE ROW.

11. AFTER SEWER AND UTILITY TRENCHES ARE BACKFILLED AND COMPACTED, THE SURFACES OVER SUCH TRENCHES SHALL BE MOUNDED SLIGHTLY TO PREVENT CHANNELING OF WATER IN THE TRENCHES. CARE SHOULD BE EXERCISED TO PROVIDE FOR CROSS FLOW AT FREQUENT INTERVALS WHERE TRENCHES ARE NOT ON THE CENTERLINE OF A CROWNED STREET.

12. EXCEPT AS OTHERWISE DIRECTED BY THE INSPECTOR, ALL DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS FORECAST, AND SHALL BE SO MAINTAINED DURING THE RAINY SEASON OF OCTOBER 1 TO APRIL 15.

13. AFTER EACH STORM, ALL "DESILTING BASINS" AND "VELOCITY CHECK DAMS" SHALL BE PUMPED DRY AND REMOVED OF ALL DEBRIS AND SILT WITHIN 24 HOURS AND RESTORED TO THEIR ORIGINAL CAPACITY.

14. ALL "DESILTING BASINS" BUILT ON LOTS ADJACENT TO DWELLINGS SHALL BE COMPLETELY LINED WITH AC-2 OR GUNITE.

15. SIZES OF "DESILTING BASINS" AND "WEIRS" SHALL BE SHOWN ON THE PLANS.

16. ALL SPILLWAYS FROM "DESILTING BASINS" SHALL BE PAVED TO EXISTING STREET, EXISTING STORM DRAIN CATCH BASIN, OR OTHER PUBLIC WORKS APPROVED WATERCOURSE.

17. EROSION CONTROL DEVICES SHALL BE STOCKPILED IN THE PARKWAY AT INTERVALS SHOWN ON THE EROSION CONTROL PLAN, READY TO BE PLACED IN POSITION WHEN RAIN IS FORECASTED OR WHEN DIRECTED BY THE INSPECTOR.

18. RETENTION OR DESILTING BASINS MAY NOT BE REMOVED OR MADE INOPERATIVE WITHOUT PRIOR APPROVAL OF THE PUBLIC WORKS ENGINEER AND NOT UNTIL ALL SURFACE IMPROVEMENTS HAVE BEEN COMPLETED.

19. BRUSH AND VEGETATIVE GROUND COVER SHALL NOT BE REMOVED BEYOND 19. 10-FEET ABOVE FILLS DURING THE RAINY SEASON WHICH OCCURS BETWEEN OCTOBER 1 AND APRIL 15.

20. "DESILTING" AND "RETENTION" BASINS SHALL BE CONSTRUCTED AS FOLLOWS:

(a) OUTLETS AND APRONS-PER DEPARTMENT OF PUBLIC WORKS LATEST STANDARD DETAILS.

(b) DIKES:

1. SHALL BE COMPACTED TO 95% COMPACTION AND SHALL BE CONSTRUCTED UNDER THE DIRECT SUPERVISION OF THE PUBLIC WORKS EROSION CONTROL INSPECTOR.

2. THE PLACEMENT OF SPILLWAYS AND OUTLET PIPES SHALL BE AS FAR AS PRACTICABLE FROM THE INLETS. BASIN WALLS SHALL NOT EXCEED D 2:1 SLOPE.

(c) INLETS TO BASINS:
1. WALLS SHALL BE PAVED WITH AC-3 OR CONSTRUCTED OF SANDBAG BERMS WHEN APPROVED BY THE PUBLIC WORKS EROSION CONTROL INSPECTOR.

2. SLOPE OF INLETS SHALL BE EQUAL TO OR MORE THAN THE SLOPE OF THE CARRYING SURFACE IMMEDIATELY ABOVE THE INLET TO AVOID "SILTING UP" OF THE INLETS.

(d) IF A GRAVITY PIPE DRAIN IS IMPRACTICABLE, A STANDBY PUMP SHALL BE PROVIDED FOR EACH DESILTING BASIN. A GUARD IS TO BE ON CONTINUOUS DUTY WHILE THE BASIN CONTAINS WATER.

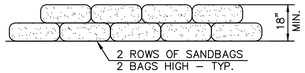
(e) DESILTING BASINS REQUIRED FOR TEMPORARY EROSION CONTROL SHALL NOT BE PERMITTED IN THE STREET AREAS UNLESS SPECIFICALLY AUTHORIZED BY THE PUBLIC WORKS ENGINEER.

21. A "STAND BY EMERGENCY CREW" SHALL BE ALERTED BY THE PERMITTEE OR THE CONTRACTOR TO PERFORM EMERGENCY WORK DURING RAINSTORMS. THE PARTY TO BE CONTACTED IS:

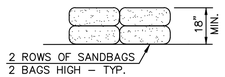
CONTACT PERSON:

.
.
.
.
.

22. DESILTING BASIN AND SANDBAGS SHOWN ON THIS PLAN SHALL BE ADJUSTED AS NEEDED TO COINCIDE WITH ACTUAL CONDITIONS AS GRADING PROGRESSES TO PROVIDE ON AND OFF-SITE EROSION CONTROL PROTECTION.

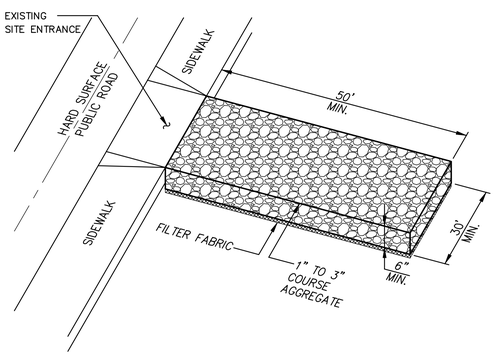


ELEVATION
NOT TO SCALE

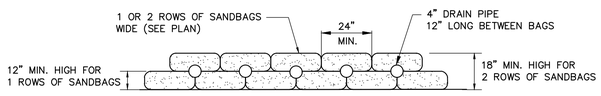


SECTION
NOT TO SCALE

A SANDBAGGING DETAIL
NOT TO SCALE



B STABILIZED CONSTRUCTION ENTRANCE
NOT TO SCALE



SANDBAGGING DETAIL
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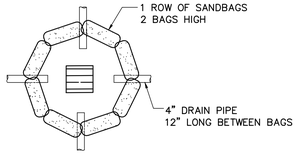

D CATCH BASIN/AREA DRAIN SANDBAGGING DETAIL
NOT TO SCALE

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APP: 03-122792 INC:
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VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

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SIGNED JAN 30 2023

LICENSED ARCHITECT
JEAN ANN AMADOR
C-22205
STATE OF CALIFORNIA

△	DESIGN DEVELOPMENT	2022-10-04
△	DSA SUBMITTAL	2022-11-29
△		
△		

SHEET TITLE:

EROSION CONTROL NOTES

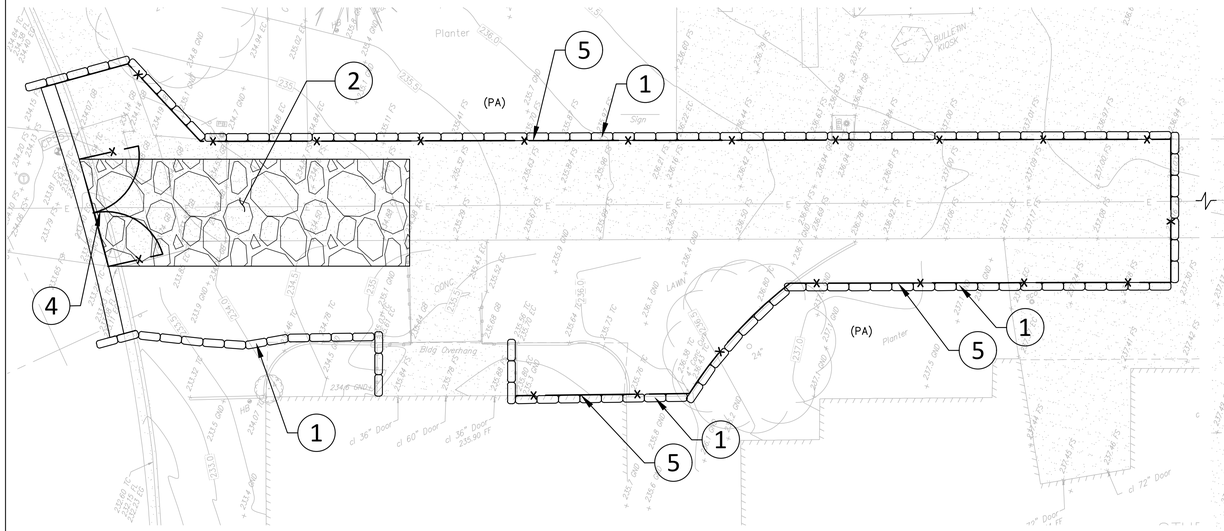
PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

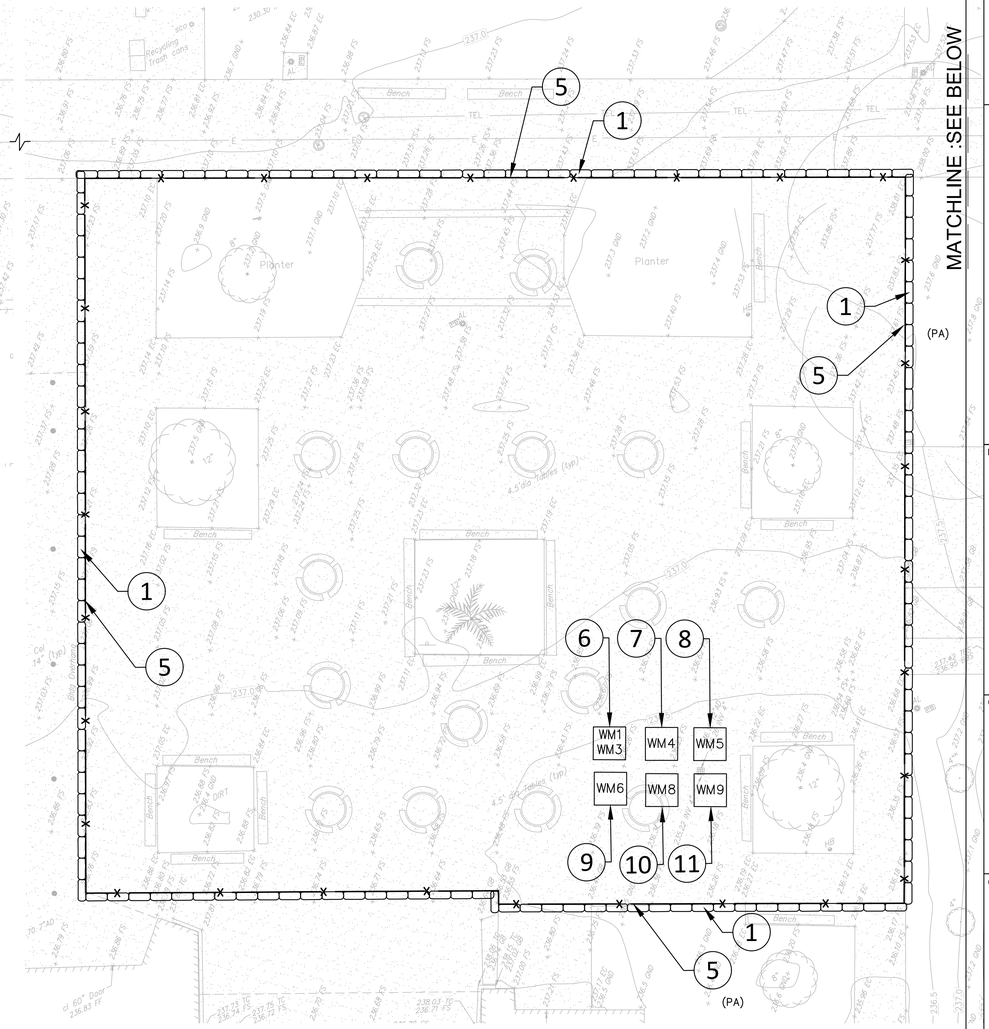
SHEET NUMBER:

C5.0

DATE: 01-27-2023 | SHEET: . OF X

G:\Projects\Civil\L4.30354_Ventura College Civil Improvements_AMA\Design\Grading\Area 7\2023-01-23\WEHLT_C-5.0_EROSION CONTROL PLAN.dwg Date:01/30/23 02:18p mshudore

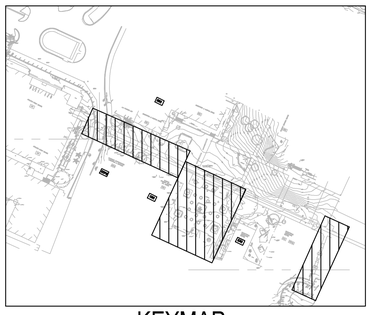




CONSTRUCTION NOTES:

1. CONSTRUCT SANDBAG BARRIER PER DETAIL "A", SHOWN ON SHEET C5.0.
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE PER DETAIL "B", SHOWN ON SHEET C5.0.
3. CONSTRUCT CATCH BASIN/AREA DRAIN SANDBAG BARRIER PER DETAIL "D", SHOWN ON SHEET C5.0.
4. INSTALL 8' CHAIN LINK GATE WITH GREEN SCREEN FABRIC.
5. INSTALL 8' CHAIN LINK FENCE WITH GREEN SCREEN FABRIC.
6. INSTALL STOCKPILE MANAGEMENT & MATERIAL DELIVERY AND STORAGE PER WM-1 & WM-3. CONTRACTOR TO RELOCATE AS NECESSARY.
7. INSTALL SPILL PREVENTION AND CONTROL PER WM-4. CONTRACTOR TO RELOCATE AS NECESSARY.
8. INSTALL SOLID WASTE MANAGEMENT PER WM-5. CONTRACTOR TO COVER DUMPSTER WITH PLASTIC TARP PRIOR TO RAIN EVENTS. CONTRACTOR TO RELOCATE AS NECESSARY.
9. INSTALL HAZARDOUS WASTE MANAGEMENT PER WM-6. CONTRACTOR TO RELOCATE AS NECESSARY.
10. INSTALL CONCRETE WASTE MANAGEMENT PER WM-8. CONTRACTOR TO RELOCATE AS NECESSARY.
11. INSTALL SANITARY/SEPTIC WASTE MANAGEMENT PER WM-9. CONTRACTOR TO RELOCATE AS NECESSARY.

P PROTECT IN PLACE



KEYMAP

10' 5' 0' 5' 10' 20'

GRAPHIC SCALE
SCALE : 1"= 10'

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IDENTIFICATION STAMP
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2	DSA SUBMITTAL	2022-11-29
3		
4		

SHEET TITLE:

EROSION CONTROL PLAN

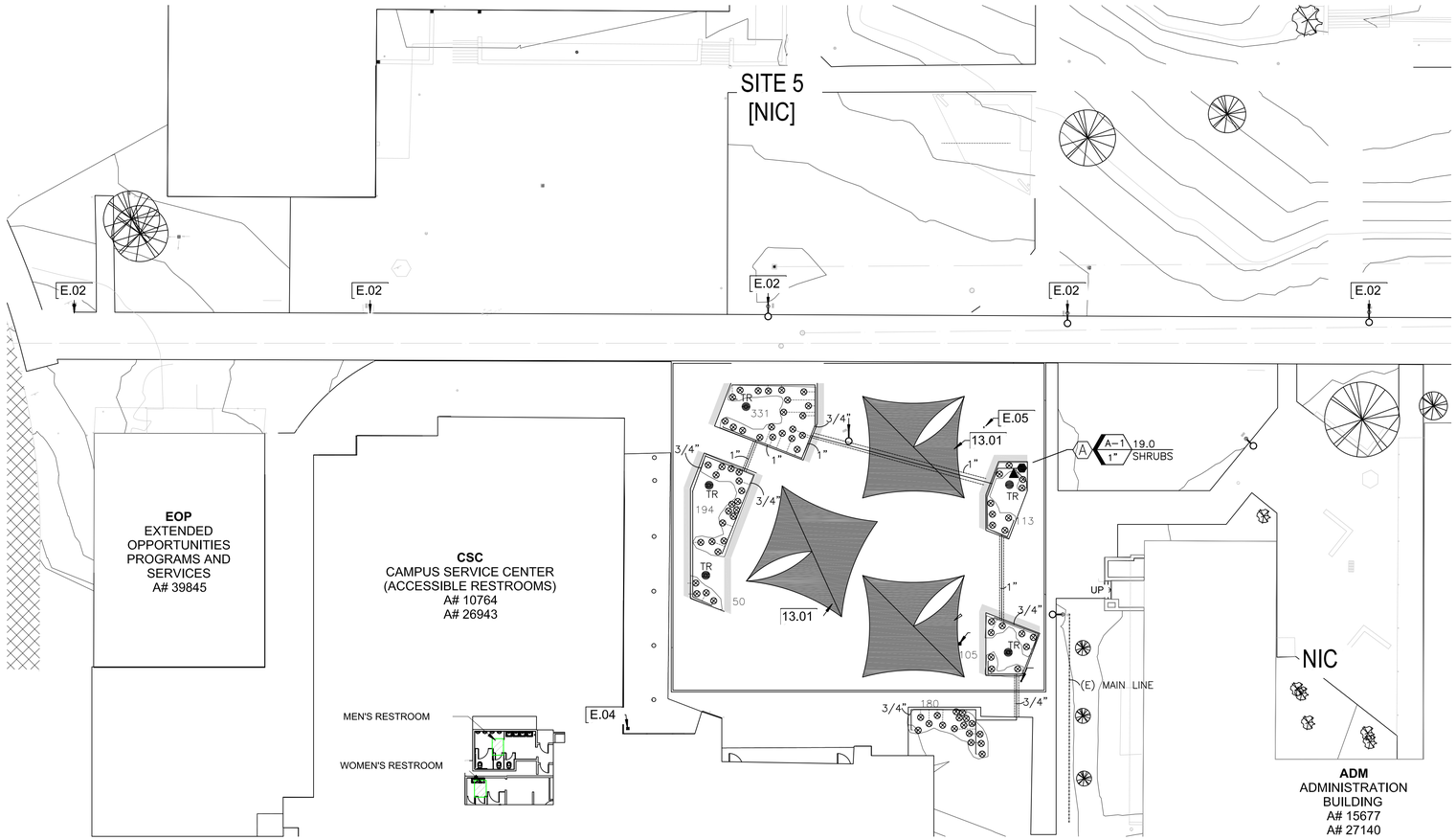
PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

C5.1

DATE: 01-27-2023 SHEET: . OF X

C:\Projects\Civil\LA30354_Ventura College Civil Improvements_AMA\Design\Grading\Area 7\2023-01-23\AREA7_C-5.0_EROSION CONTROL PLAN.dwg Date:01/30/23 02:41p mthudone



IRRIGATION SLEEVING SCHEDULE

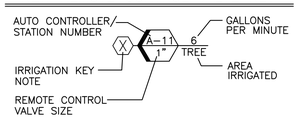
ALL SLEEVES TO BE INSTALLED 24" BELOW GRADE

MAINLINE OR / LATERAL PIPE SIZE	SLEEVE SIZE REQUIRED
3/4" SCH. 40 PVC / SCH. 40 PVC	2" SCH. 40 PVC
1" SCH. 40 PVC / SCH. 40 PVC	2" SCH. 40 PVC
1-1/4" SCH. 40 PVC / SCH. 40 PVC	2½" SCH. 40 PVC
1-1/2" SCH. 40 PVC / SCH. 40 PVC	3" CLASS 200 PVC
2" CLASS 315 / SCH. 40 PVC	4" CLASS 200 PVC
2½" CLASS 315 / SCH. 40 PVC	4" CLASS 200 PVC
3" CLASS 315 / SCH. 40 PVC	6" CLASS 200 PVC
4" CLASS 315 / SCH. 40 PVC	6" CLASS 200 PVC

IRRIGATION LEGEND

SYMBOL	DESCRIPTION	MANUFACTURER	MODEL / REMARKS	PSI	RAD		GPM	DETAIL
	SLEEVING	PACIFIC PLASTICS	CLASS 200 PVC / SCH. 40 PVC – SOLVENT WELD – 24" BELOW GRADE – SEE KEY					1/L1.2
	EXISTING MAINLINE	UNKNOWN	VARIOUS PVC – 24–30" BELOW GRADE – PROTECT IN PLACE					1/L1.2
	MAINLINE (1 1/2" AND SMALLER)	PACIFIC PLASTICS	SCH. 40 PVC – SOLVENT WELD – 30" BELOW GRADE					1/L1.2
	BURIED PVC LATERAL	PACIFIC PLASTICS	SCH. 40 PVC – 12" BELOW GRADE					1/L1.2
	PVC FLEXIBLE HOSE	GPH IRRIGATION	3/8" SCH. 40 PVC FLEXIBLE HOSE – MODEL GPVCSSAR050IRR – SEE DETAILS					6/L1.2
⬢	REMOTE CONTROL VALVE	RAIN BIRD	EFB–CP–PRS SERIES – SIZES NOTED – IN A RECTANGULAR VALVE BOX – GREEN LID					4/L1.2
▲	QUICK COUPLER	RAIN BIRD	33 DRC (3/4") – INSTALLED IN A 10" ROUND VALVE BOX – WITH GREEN LID					5/L1.2
◒	SCH. 80 PVC BALL VALVE	SPEARS	TRU–UNION SERIES – LINE SIZE – SCH. 80 PVC – IN A RECT. VALVE BOX W/ EXTENSION					3/L1.2
⊗	SHRUB FLOOD BUBBLER PRESSURE COMPENSATING FLOW = (.25 G.P.M.)	G.P.H. IRRIGATION	MODEL GPCBCV25 / .25 GALLON PER MINUTE FLOW W/ BUILT IN CHECK VALVE. INSTALL (1) BUBBLER PER SHRUB. USE IRRIGATION SIZE (3/8" IPS) FLEXIBLE PVC HOSE, G.P.H. MODEL GPVCAR050IRR (BLACK IN COLOR) WITH (2) SOLVENT WELD G.P.H. MODEL G436073B BLACK PVC MALE ADAPTERS. CUT LENGTH OF FLEXIBLE PVC TUBING STARTING FROM RIGID PVC LATERAL SUPPLY TO LENGTH NEEDED TO INSTALL BUBBLER NEXT TO ROOT BALL IN THE FIELD. USE I.P.S. PIPE PRIMER MODEL 'P–70' AND I.P.S. SOLVENT CEMENT MODEL '795' FOR ALL FLEXIBLE PVC TUBING WELDS TO BLACK COLORED G.P.H. MALE ADAPTERS.	30	1		0.25	6/L1.2

NEW REMOTE CONTROL VALVE KEY



PROJECT KEY NOTES

SYMBOL	DESCRIPTION
A	REMOVE EXISTING VALVE AND VALVE BOX. INSTALL NEW VALVE AND VALVE BOX AND CONNECT TO EXISTING WIRES. VERIFY THE CONTINUITY EXISTS IN EXISTING WIRES.

NORTH

0 20 40

SCALE 1" = 20'-0"

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

JORDAN, GILBERT & BAIN
LANDSCAPE ARCHITECTS, INC.
459 NORTH VENTURA AVE., VENTURA CA 93001
(805) 642–3641 FAX (805) 653–7874

Jordan, Gilbert & Bain Landscape Architects, Inc. © 2019

STAMPS/SEALS

REGISTERED LANDSCAPE ARCHITECT PAUL J. JORDAN 2443 SIGNATURE 2-11-24 RENEWAL DATE 11-21-22 DATE STATE OF CALIFORNIA

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

SHEET TITLE:

IRRIGATION PLAN

PROJECT NO.:	PROJECT ARCH:
DRAWN: PJ	CHECKED:

SHEET NUMBER:

L1.1

DATE: 11/28/22 SHEET: ___ OF ___

MAXIMUM APPLIED WATER ALLOWANCE CALCULATIONS

MAWA = (ETo x 0.45 x Land. Area x 0.62)
ETo = reference evapotranspiration of Moorpark of 46.0 (inches per year)
0.65 = evapotranspiration adjustment factor (standard number)
Land. Area. = total square feet of landscape area for the site
0.62 = conversion factor (to gallons per square foot)

PROJECT SITE – MAWA = (43.5 x 0.65 x 1,728 x 0.62) = 30,292 G.P.Y.

ESTIMATED APPLIED WATER USE FORMULA

$$EAWU = (ETo) \times (.62) \frac{(PF \times \text{Land. Area})}{IE}$$

ETo = reference evapotranspiration of Ventura of 43.5 "/yr.
0.62 = conversion factor (to gallons per square foot)
PF = plant factor from WUCOLS
LA = landscaped area covered by sprinkler valve (sq. ft.)
IE = irrigation efficiency (0.81 drip irrigation)

Shrub Drip System - Low Water Use

$$EAWU = (43.5) \times (.62) \frac{(.4 \times 973)}{.81} = 12{,}958 \text{ gallons per year}$$

WATER USE SUMMARY FOR PROJECT SITE

MAXIMUM ALLOWABLE WATER ALLOWANCE (MAWA) FOR THIS PROJECT = 30,292 GAL/YR

TOTAL ESTIMATED WATER ALLOCATION (MAWA) FOR THIS PROJECT = 12,958 GAL/YR
THIS PROJECT IS BELOW THE MAXIMUM WATER ALLOWANCE BY 17,334 GAL/YR = 57%

SEASONAL MAINTENANCE SCHEDULE

1. CLEAN AND FLUSH ALL DRIP FILTERS ONCE (1) EVERY (4) MONTHS.
2. FLUSH PVC DRIP LATERAL PIPING A MINIMUM OF TWICE A YEAR.
3. ROTATE ALL BALL VALVE HANDLES A MINIMUM OF (3) TIMES PER YEAR.

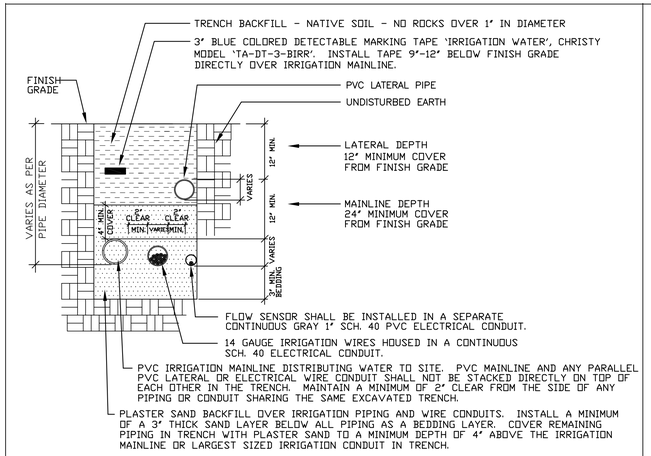
MWELO COMPLIANCE STATEMENT

"I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM FOR THE EFFICIENT USE OF WATER IN THE LANDSCAPE DESIGN PLAN." STATEMENT SHALL BE SIGNED AND DATED BY THE PROJECT LANDSCAPE ARCHITECT.

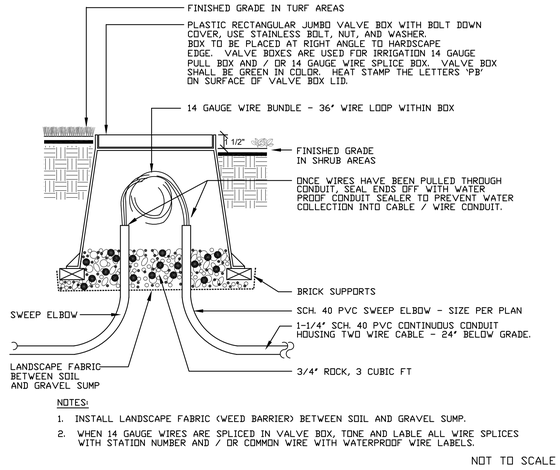
Paul J Jordan

1443

LANDSCAPE ARCHITECT LICENSE NUMBER



1 IRRIGATION PIPING AND WIRE CONDUIT TRENCH SECTION



NOTES:
1. INSTALL LANDSCAPE FABRIC (WEED BARRIER) BETWEEN SOIL AND GRAVEL SUMP.
2. WHEN 14 GAUGE WIRES ARE SPLICED IN VALVE BOX, TONE AND LABLE ALL WIRE SPLICES WITH STATION NUMBER AND / OR COMMON WIRE WITH WATERPROOF WIRE LABELS.

NOT TO SCALE

2 IRRIGATION WIRE SPLICE BOX IN LANDSCAPE AREA

NOTES:
1. BOX TO BE INSTALLED AS TO ALLOW FOR PROPER OPERATION OF BALL VALVE INSTALL AT RIGHT ANGLE TO HARDSCAPE EDGE, INSTALL VALVE IN CENTER OF BOX.
2. INSTALL VALVE BOX EXTENSIONS AS REQUIRED TO ACHIEVE PROPER VALVE INSTALLATION AT MAIN LINE DEPTH.
3. INSTALL LANDSCAPE FABRIC (WEED BARRIER) BETWEEN SOIL AND GRAVEL SUMP.

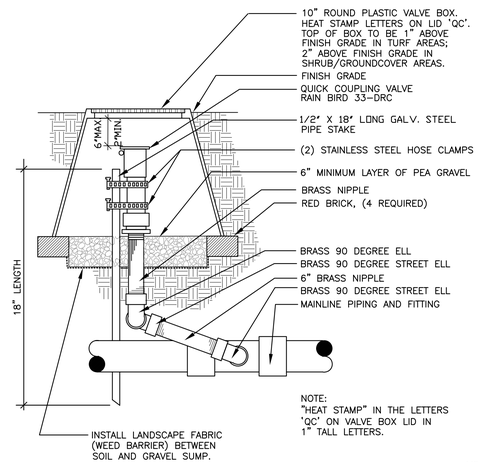
NOT TO SCALE

3 SCH. 80 PVC BALL VALVE ON PVC MAINLINE

NOTES:
1. INSTALL CONTROL VALVES A MINIMUM OF 18" APART IN SHRUB AREAS UNLESS OTHERWISE NOTED.
2. EQUIPMENT SHALL BE INSTALLED SUCH THAT THERE IS NO LEVERAGE OR STRESS ON THE VALVE ASSEMBLY. PIPE SHALL NOT COME INTO CONTACT WITH VALVE BOX.
3. USE A NON-HARDENING TEFLON PIPE SEALANT ON ALL THREADED CONNECTIONS.
4. INSTALL LANDSCAPE FABRIC (WEED BARRIER) BETWEEN SOIL AND GRAVEL SUMP.
5. USE RAINBOW TECHNOLOGY 'DUCT SEAL PUTTY' TO PLUG OPEN CONDUIT/WIRES WITHIN VALVE BOX TO PREVENT WATER FROM ENTERING CONDUIT OPENING.

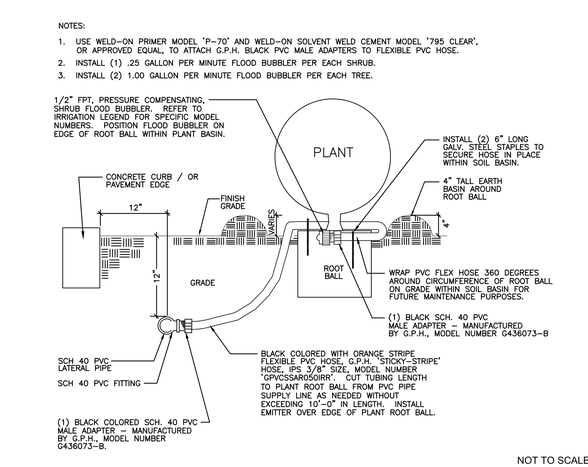
NOT TO SCALE

4 REMOTE CONTROL VALVE ASSEMBLY



NOT TO SCALE

5 QUICK COUPLER



NOT TO SCALE

6 FLOOD BUBBLER ON PVC FLEX TUBING

DIVISION OF THE STATE ARCHITECT

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VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

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Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR
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28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

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(805) 642-3641 FAX (805) 653-7874
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STAMPS/SEALS

REGISTERED LANDSCAPE ARCHITECT PAUL J. JORDAN 4143 SIGNATURE 2-11-24 RENEWAL DATE 11-23-22 DATE STATE OF CALIFORNIA

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 APPROVAL DATE 2019 STATE OF CALIFORNIA

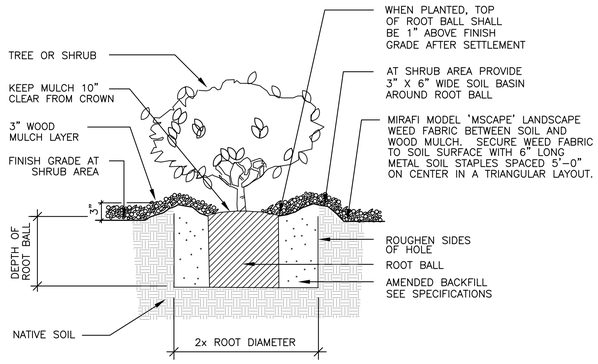
SHEET TITLE:

IRRIGATION NOTES & DETAILS

PROJECT NO.: | PROJECT ARCH:
DRAWN: PJ | CHECKED:
SHEET NUMBER:

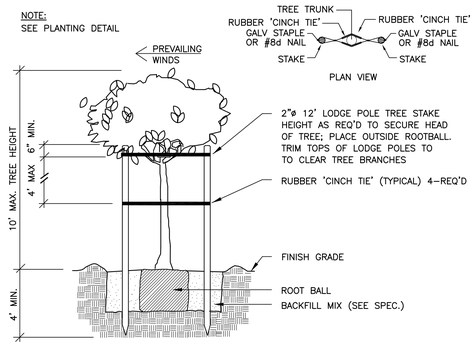
L1.2

DATE: 11/28/22 | SHEET: ___ OF ___



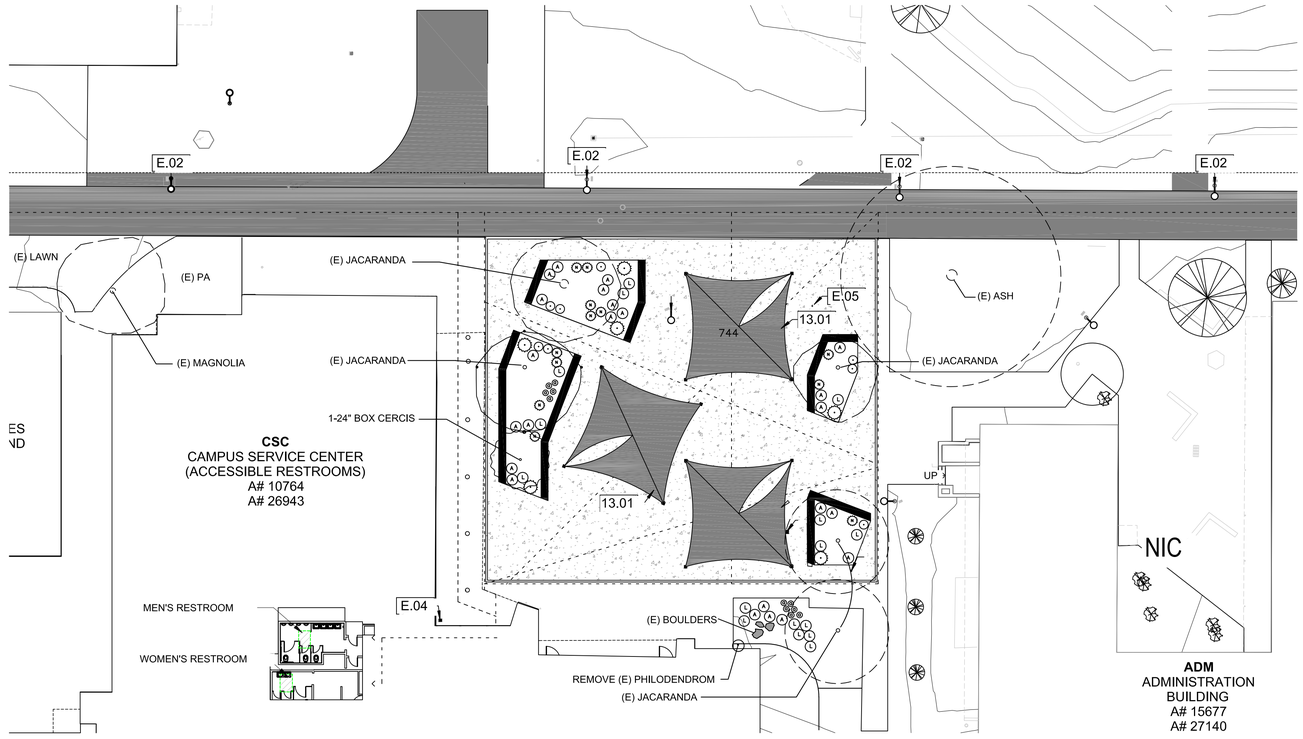
1 TREE & SHRUB PLANTING DETAIL

N.T.S.



2 TREE STAKING DETAIL

N.T.S.



PLANT LEGEND

SYMBOL	QUANTITY	SIZE	BOTANICAL NAME COMMON NAME	DETAIL REFERENCE ON THIS SHEET
TREES				
	1	24" BOX STANDARD	CERCIS C. 'FOREST PANSY' PURPLE-LEAF REDBUD	1 & 2

PLANT LEGEND – TREES

SYMBOL	QUANTITY	SIZE	BOTANICAL NAME COMMON NAME	DETAIL REFERENCE ON THIS SHEET
A	23	5 GAL	ACACIA COGNATA 'COUSIN ITT'	1
AF	11	5 GAL	AGAPANTHUS AFRICANUS LILY-OF-THE-NILE	1
C	8	5 GAL	COLEONEMA PULCHELLUM 'SUNSET GOLD'	1
L	16	5 GAL	LOROPETALUM 'PURPLE PIXIE' DWARF WEEPING LOROPETALUM	1
N	12	5 GAL	NANDINA D. 'GULF STREAM' NANDINA	1
P	6	5 GAL	PHORMIUM 'MAORI MAIDEN' FLAX	1

GENERAL NOTES:

1. TOTAL EXISTING LANDSCAPE AREA REHABILITATED = 1,728 SQ. FT.
2. APPLY A 3" LAYER OF WOOD MULCH THROUGH THE PLANTING AREAS

NORTH

0 20 40 60

SCALE 1" = 20'-0"

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STAMPS/SEALS

REGISTERED LANDSCAPE ARCHITECT PAUL J. JORDAN 4413 SIGNATURE 2-11-24 RENEWAL DATE 11-25-22 DATE STATE OF CALIFORNIA

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 APPROVAL STATE OF CALIFORNIA

SHEET TITLE:

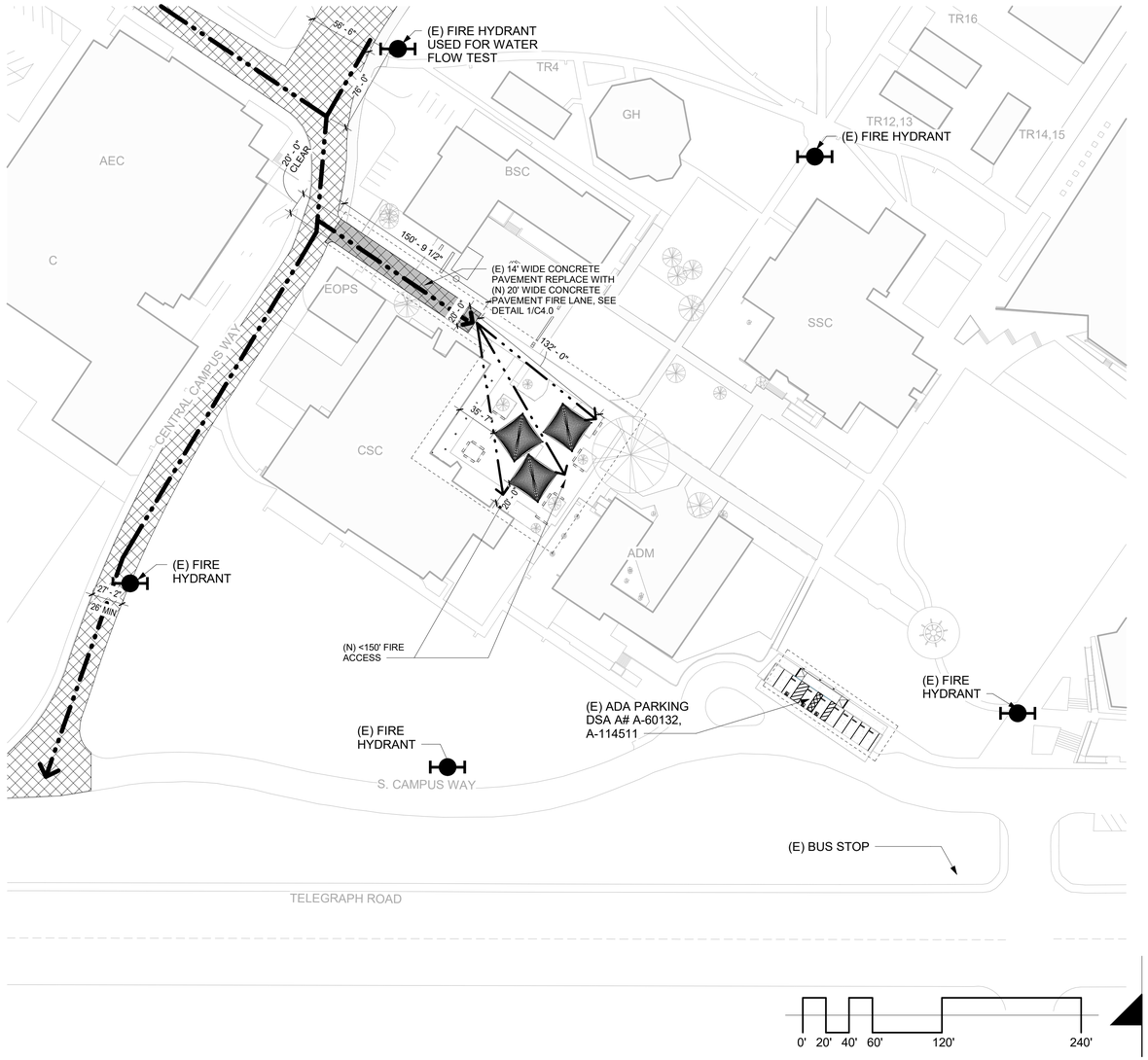
PLANTING PLAN

PROJECT NO.:	PROJECT ARCH:
DRAWN: PJ	CHECKED:

SHEET NUMBER:

L2.1

DATE: 11/28/22 SHEET: ___ OF ___



SITE - FIRE ACCESS	1" = 60'-0"	1

FIRE AUTHORITY LEGEND

- VEHICULAR FIRE ACCESS
- FIRE ACCESS
- AREA OF WORK
- (E) FIRE LANE
- (N) FIRE LANE
- (E) FIRE HYDRANT

NOTE: PATH OF TRAVEL (P.O.T) AS INDICATED IS A BARRIER FREE ACCESS AT LEAST 48" WIDE WITHOUT ANY ABRUPT VERTICAL CHANGES. DO NOT EXCEED 1/4" VERTICAL, MAXIUM CROSS SLOWPER 2% TYPICAL AND SLOPE IN THE DIRECTION OF TRAVEL DOES NOT EXCEED 5% UNLESS OTHERWISE NOTED. THE ARCHITECT SHALL VERIFY THAT ALL BARRIERS ON THE INDICATED PATH OF TRAVEL HAVE BEEN REMOVED.

DSA LOCATION 7 **810**

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

Division of the State Architect (DSA) documents referenced within this publication are available on the DSA Forms or DSA Publications webpages.

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

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

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

PROJECT INFORMATION	
School District/Owner:	VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
Project Name/School:	VENTURA COLLEGE CAMPUS STUDENT CENTER PLAZA SHADE STRUCTURES
Project Address:	4667 TELEGRAPH ROAD VENTURA, CA 93003

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

CONDITION MEANS AND METHODS RESOLUTION		ALTERNATE ACCEPTED			
		Yes	No	N/A	N/R
4.	Emergency vehicle access roadways do not meet CFC requirements.			✔	
4a.	**Acceptable Alternate:** Emergency vehicle and personnel access as proposed by the project architect is acceptable for providing fire suppression and protection of life and property.				
5.	**Fire Hydrants:** Number and spacing does not meet CFC requirements.			✔	
5a.	**Acceptable Alternate:** Number of fire hydrants and spacing as proposed by the project architect is acceptable for fire suppression and protection of life and property.				
6.	**Fire Hydrants:** Water flow and pressure are less than CFC minimum.			✔	
6a.	**Acceptable Alternate:** The available flow and pressure is acceptable for providing fire suppression and protection of life and property.				
7.	Location of fire department connection(s) serving fire sprinkler systems or standpipe systems does not meet CFC requirements.			✔	
7a.	**Acceptable Alternate:** The location of fire department connection serving the fire sprinkler system and/or standpipe system is acceptable for providing fire suppression and protection of life and property.				

School District Acceptance of Acceptable Design Alternates

By signing this form, the school district acknowledges and accepts the proposed design as an alternative to California Building Code (CBC) and California Fire Code (CFC) minimum requirements, as indicated by one or more of the conditions indicated at items 4a, 5a, 6a or 7a, for providing fire and life safety protection of life and property.

Accepted by: _____ Title: _____

Signature: _____ Date: _____

LOCAL FIRE AUTHORITY (LFA) INFORMATION	
LFA Agency Name:	
LFA Review Official:	
Title:	Work Phone:
Work Email:	

LFA Reviewer's Signature: _____ Date: _____

DSA 810	12" = 1'-0"	2

COUNTY FIRE PROTECTION — 1884 Eastman Ave., #104, Ventura, CA 93003

INSPECTION DATE 10/25/22

FIRE PROTECTION EQUIPMENT
FIRE HYDRANT REPORTS
INSPECTION, TEST & MAINTENANCE

CUSTOMER		ANNUAL	X	FIVE YEAR
Ventura Community College *4667 Telegraph Road* *Ventura CA 93003*		TYPE OF SYSTEM		
CONTACT	*Manily Chavarria*	X	WET BARREL	
PHONE	*818.307.0511*			

		X	PASS
			FAIL
			See Continuation Page

I	Inspect
T	Test
M	Maintenance

TECHNICIAN: *Josue Morales (EE922043)*

In accordance with NFPA CS Title 19 - Fire Protection Systems

ITEM		DESCRIPTION	PASS	FAIL	NA
1.1	M	All hydrant stems threads and caps were inspected for damage and lubrication.	*M*		
1.2	M	All hydrant outlets were fully opened and closed to insure smooth operation.	*M*		
1.3	M	All hydrant shut-off valves were closed and fully opened to insure adequate water flow.	*M*		
1.4	I	All hydrants are accessible with outlets 14" to 24" above grade.	*I*		
1.5	I	All crash posts are in place to prevent vehicular damage.			*NA*
1.6	I	All hydrants have 36 inches of unobstructed access.	*I*		
1.7	I	Each hydrant is clearly identified or marked.	*I*		
1.8	I	All hydrants mark with Blue reflectors	*I*		

DESCRIPTION/FIVE YEAR TESTING							
DATE	HYDRANT # /LOCATION		BARREL SIZE			FLOW (GPM)	PRESSURE (PSI)
10/25/22	#1. Across LRC	(Location 6)	4"	2.5"		914	55
10/25/22	#2. West Campus/ by Stadium	(Location 4)	4"	2.5"	2.5"	974	70
10/25/22	#3. Central Campus/ by BSC	(Location 7)	4"	2.5"	2.5"	852	50
DATE	HYDRANT # /LOCATION		Static	Risd	Pitot	Diameter	Projected GPM Flow @20 PSI
10/25/22	#1. Across LRC	(Location 6)	55	45	35	2.5"	1963
10/25/22	#2. West Campus/ by Stadium	(Location 4)	70	60	40	2.5"	2531
10/25/22	#3. Central Campus/ by BSC	(Location 7)	50	40	30	2.5"	1663

Item	Deficiencies and Comments Deficiencies and Comments Items number must correspond to the Item number of activity listed above

County Fire Protection — WWW.CoFirePro.com — license #C16-864414

DSA Flow Test	12" = 1'-0"	3

DIVISION OF THE STATE ARCHITECT

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DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
MOORPARK • OXNARD • VENTURA

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
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TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College
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AMADOR

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28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT — JEAN ANN AMADOR — C-22205 — STATE OF CALIFORNIA

SHEET TITLE:

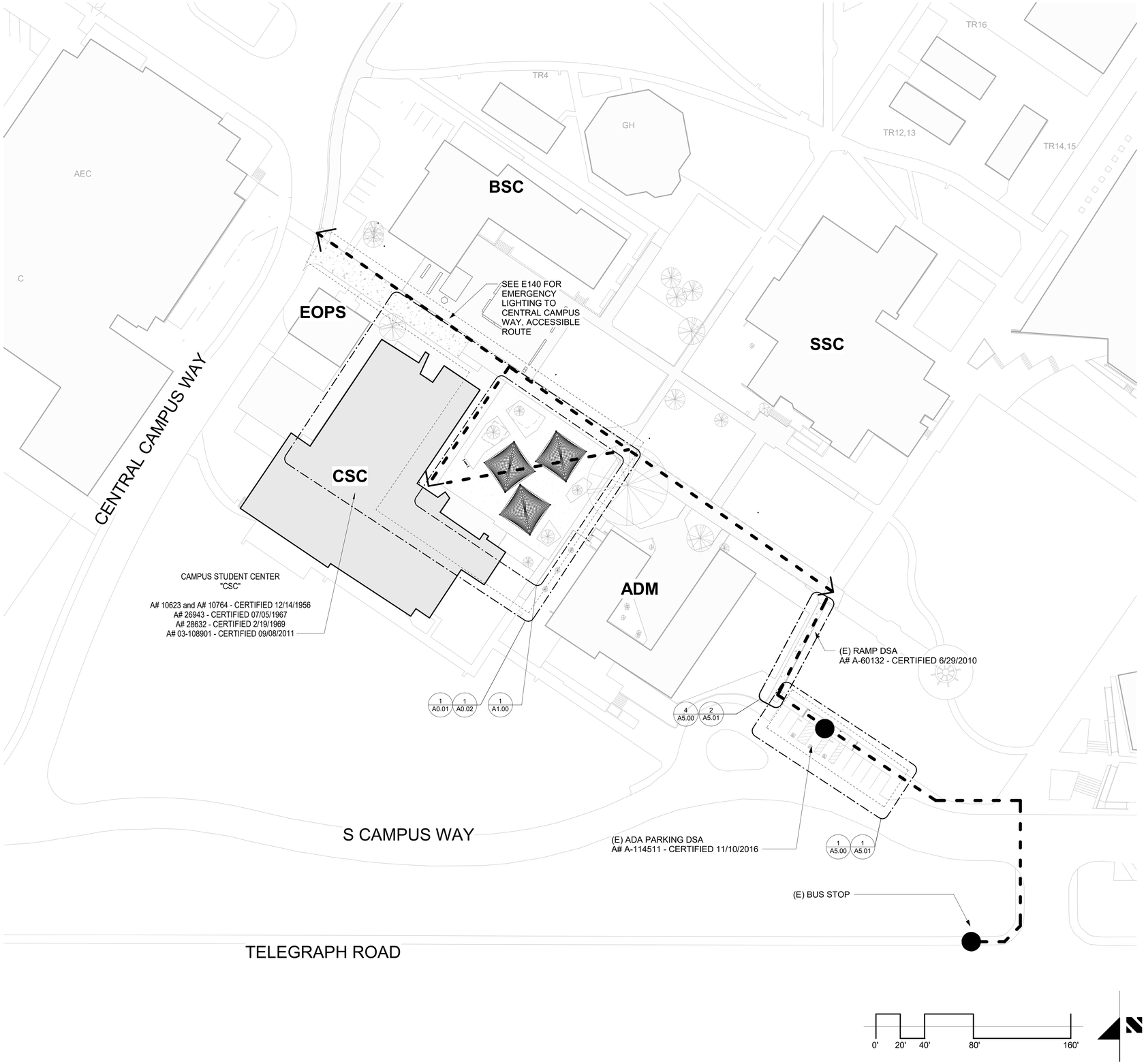
LOCAL FIRE AUTHORITY - SITE PLAN

PROJECT NO.	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	Author	CHECKED:	Checker

SHEET NUMBER:

F1.01

DATE: 01/27/2023 SHEET: ____ OF ____



OVERALL SITE PLAN | 1" = 40'-0" | 1

DESIGN PROFESSIONAL RESPONSIBLE CHARGE STATEMENT

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE CONCOMPLIANT
1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTION OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

PATH OF TRAVEL, TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE

"ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING ½" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING ¼" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL."

VENTURA COLLEGE CAMPUS BUILDING NAMES

ADM-	ADMINISTRATION	A#15677; 27140
AEC-	ATHLETIC EVENT CENTER	A#11580
AEP-	AUTO EDUCATION PROGRAM	A-14624; A-21069;A-28512
ASC-	APPLIED SCIENCE CENTER	A#114511
BCS-	BOOKSTORE & CAMPUS SERVICES	A#25814
BLDG S	BUILDING S (WAM)	A#11482; 03-110238;
C-	KINESIOLOGY	-
CDC-	CHILD DEVELOPMENT CENTER	A#53955
CRC-	CREATIVE RESOURCES CENTER	A#23750
CSC-	**CAMPUS STUDENT CENTER**	**A#26943; 28632; 10764; 108901**
DRC-	DAY ROAD CENTER	-
ECT-	ENVIRONMENTAL/CONSTRUCTION TECHNOLOGY	-
ELC-	ENGLISH LEARNING CENTER	A-23724; A-26529
EOPS-	EOPS	A#39845
GH-	GUTHRIE HALL	A#39845
HSC-	HEALTH SCIENCE CENTER	A#51118
HH-	HEAD HOUSE	-
LRC-	LEARNING RESOURCE CENTER	-
M-	CERAMICS & SCULPTURE	A#104598, 104498
MAC-	MEDIA ARTS CENTER	-
M&O-	MAINTENANCE & OPERATIONS	A#27982; 36633
MCE-	MULTIDISCIPLINARY CENTER EAST	-
MCW-	MULTIDISCIPLINARY CENTER WEST	-
NMG-	NEW MEDIA GALLERY	-
PAC-	PERFORMING ARTS CENTER	-
SAB-	STUDIO ARTS BUILDING	A#23750; 44935; 45630
SC-	SCIENCES & MATHEMATICS	A#11482
SSC-	STUDENT SERVICES CENTER	A#60113
S&R-	SHIPPING & RECEIVING/WAREHOUSE	A#10623
TR 4-	CLASSROOM	-
TR12-15-	TRAILER CLASSROOMS	A#03-110740
TR 16-	NURSING SKILLS LAB	A#03-110740
VCS-	VENTURA COLLEGE SPORTSPLEX	-
VCPD-	VENTURA COLLEGE CAMPUS POLICE	-
WEC-	WRIGHT EVENT CNETER	-

OVERALL SITE LEGEND

(N) ACCESSIBLE PATH OF TRAVEL

BLDG — EXISTING BUILDING IN SCOPE

AREA OF WORK

DIVISION OF THE STATE ARCHITECT

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DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT · JEAN ANN AMADOR · C-22205 · STATE OF CALIFORNIA

SHEET TITLE:

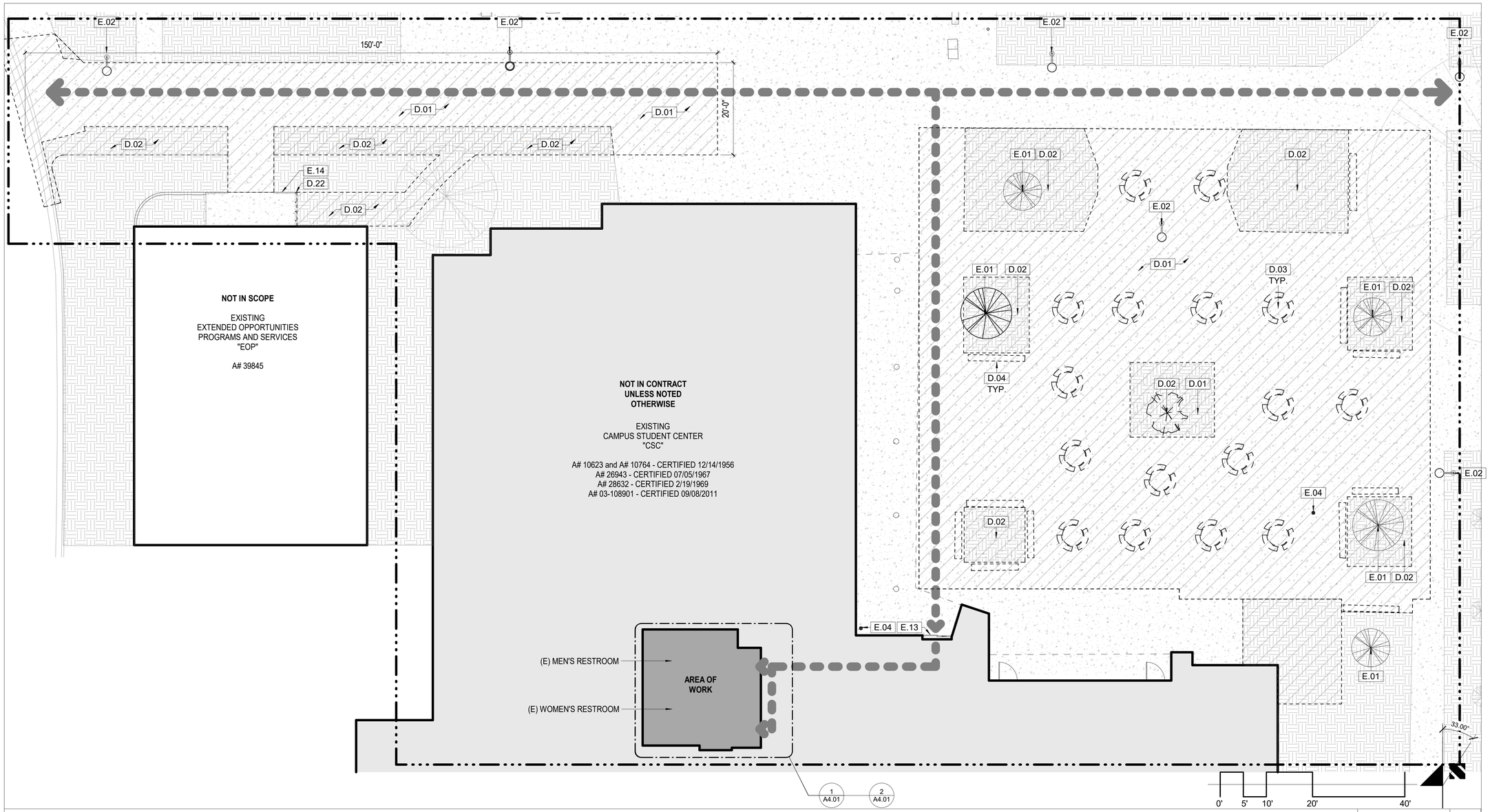
OVERALL SITE PLAN

PROJECT NO.	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	Author	CHECKED:	Checker

SHEET NUMBER:

A0.00

DATE: 01/27/2023 | SHEET: ___ OF ___



(D) SITE PLAN - DEMO | 3/32" = 1'-0" | **1**

SITE LEGEND

- (E) PATH OF TRAVEL
- (N) ACCESSIBLE PATH OF TRAVEL
- AREA OF WORK
- BLDG — EXISTING BUILDING IN SCOPE
- AREA OF WORK IN EXISTING BUILDING
- DEMO (E) PLANTING AREA
- (E) PLANTING AREA
- (N) PLANTING AREA
- DEMO (E) CONCRETE
- (E) CONCRETE
- (N) CONCRETE
- DEMO (E) SITE ACCESSORY
- (N) CONCRETE BENCH
- (E) HAND RAIL
- DEMO (E) HAND RAIL
- (N) HAND RAIL

DEMOLITION KEYNOTES D#

D.01	DEMOLISH (E) CONCRETE, SEE C2.0 AND C2.1
D.02	REMOVE (E) PLANTING, PER L2.1
D.03	SALVAGE (E) SITE FURNITURE, STORE AS DIRECTED BY OWNER
D.04	DEMOLISH (E) CONCRETE BENCH
D.22	DEMOLISH (E) RAILING

EXISTING KEYNOTES E#

E.01	(E) PROTECT PLANTINGS PER L2.1
E.02	(E) AREA LIGHTS + PULL BOX, PROTECT
E.04	(E) AREA DRAIN, PROTECT
E.13	(E) AUTO DOOR WITH SENSOR
E.14	PROTECT (E) RAILING

GENERAL NOTES - SITE DEMO.

1. EXECUTE ALL DEMOLITION REQUIRED FOR COMPLETION OF THE WORK.
2. KEEP SITE AND ADJACENT AREAS CLEAN AND UNOBSTRUCTED. COORDINATE WITH THE VCCCD PROJECT MANAGER.
3. REMOVE OR RELOCATE EXISTING POWER, DATA, IRRIGATION, PLUMBING AND OTHER UTILITIES AS REQUIRED TO ACCOMODATE THE NEW IMPROVEMENTS.

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28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT — JEAN ANN AMADOR — C-22205 — STATE OF CALIFORNIA

SHEET TITLE:

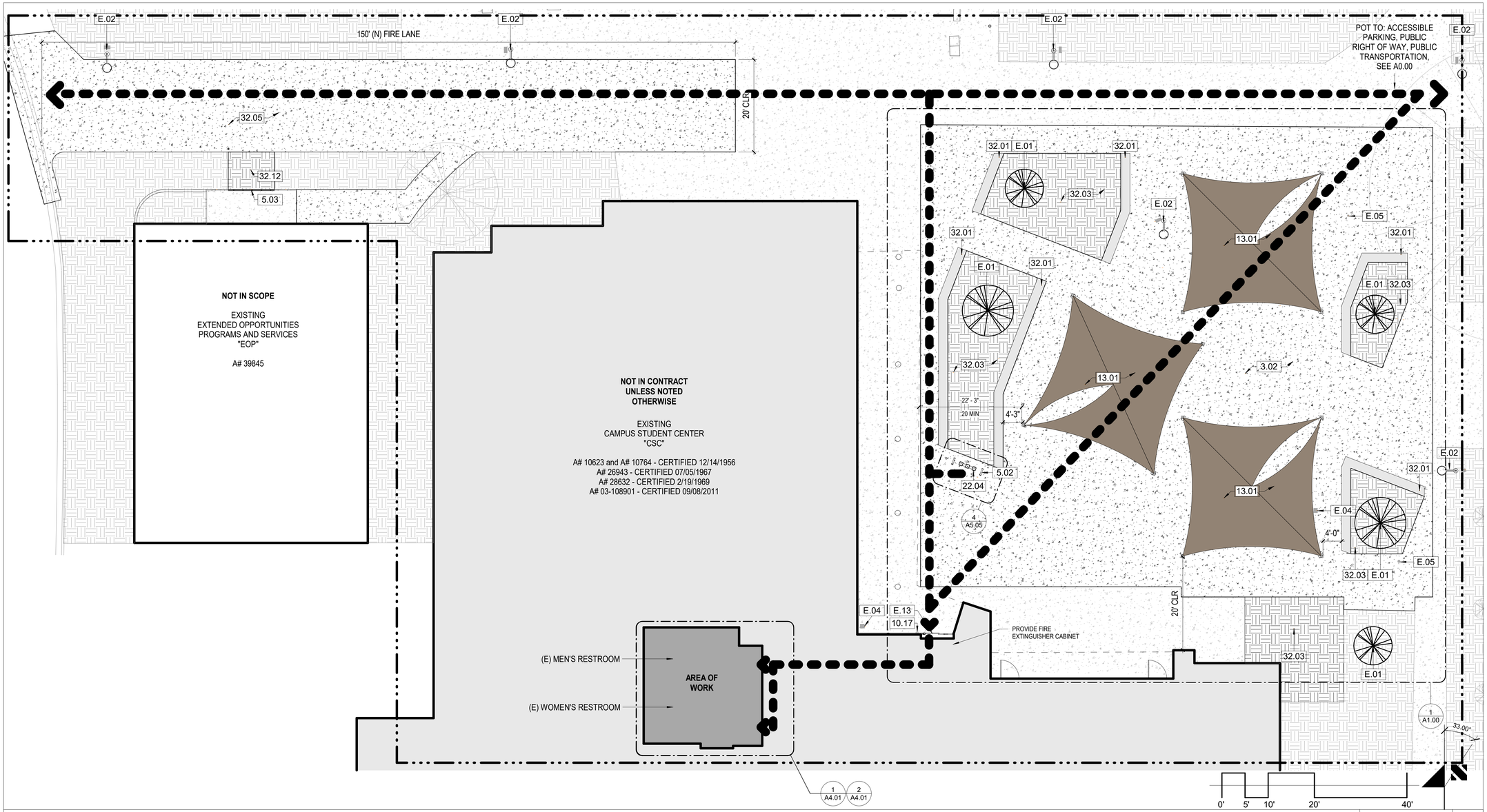
(D) ENLARGED SITE PLAN - DEMOLTION

PROJECT NO: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

A0.01

DATE: 01/27/2023 | SHEET: ___ OF ___



(N) SITE PLAN - NEW | 3/32" = 1'-0" | **1**

SITE LEGEND

- (E) PATH OF TRAVEL
- (N) ACCESSIBLE PATH OF TRAVEL
- AREA OF WORK
- BLDG — EXISTING BUILDING IN SCOPE
- AREA OF WORK IN EXISTING BUILDING
- DEMO (E) PLANTING AREA
- (E) PLANTING AREA
- (N) PLANTING AREA
- DEMO (E) CONCRETE
- (E) CONCRETE
- (N) CONCRETE
- DEMO (E) SITE ACCESSORY
- (N) CONCRETE BENCH
- (E) HAND RAIL
- DEMO (E) HAND RAIL
- (N) HAND RAIL

CODE ANALYSIS

CSC BUILDING A#10764

1. OCCUPANCY GROUP: B
2. CONSTRUCTION TYPE: V-N
3. NUMBER OF STORIES: 1
4. BUILDING HEIGHT: 21'
5. BUILDING AREA: ENCLOSED AREA 24,740 SF
   COVERED WALKS 1,355 SF
   TOTAL 26,095 SF
6. FIRE SPRINKLERS: NONE

PARKING SUMMARY

STANDARD STALLS = 7
ACCESSIBLE STALLS = 2

VAN ACCESSIBLE STALLS = 1

TOTAL PARKING = 10 STALLS

EXISTING KEYNOTES

E#

E.01	(E) PROTECT PLANTINGS PER L2.1
E.02	(E) AREA LIGHTS + PULL BOX, PROTECT
E.04	(E) AREA DRAIN, PROTECT
E.05	(E) HOSE BIB, PROTECT
E.13	(E) AUTO DOOR WITH SENSOR

KEYNOTES

#

3.02	CONCRETE PAVEMENT, PER C3.1. SEE 2/A1.00 FOR JOINT LAYOUT DESIGN
5.02	DRINKING FOUNTAIN WING GUARD, SEE DETAIL 3/A5.05
5.03	METAL HANDRAIL, MATCH EXISTING
10.17	ACCESSIBLE BUILDING ENTRY SIGN, SEE 3/A7.01
13.01	USA SHADE STRUCTURE, 30' X 30', DESERT SAND FABRIC, BLACK STRUCTURE, PC04-119455
22.04	ADA BOTTLE FILLER AND DRINKING FOUNTAIN, HAWS 3612. SEE DETAILS 2,3,4,5/A5.05
32.01	(N) CONCRETE SEAT WALL, SEE DETAIL 9/A5.05
32.03	PLANTING AREA, SEE LANDSCAPE SHEETS L2.1
32.05	CONCRETE FOR 150' X 20' FIRE LANE
32.12	LANDSCAPE AREA TO MATCH (E)

GENERAL NOTES - SITE NEW

1. ALL FIRE ACCESS ROADS, ACCESS GATES, FIRE HYDRANTS AND FIRE FLOW ARE EXISTING TO REMAIN UNMODIFIED UNLESS NOTED OTHERWISE.
2. REFER TO CIVIL PLANS FOR NEW CONCRETE SIDEWALK AND ASPHALT PAVING GRADES.
3. FOR WALKWAYS, THE SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT EXCEED 1:20 GRADIENT (5.0%) AND CROSS SLOPE SHALL NOT EXCEED 1:50 GRADIENT (2.0%), WITH A MINIMUM WIDTH OF FORTY EIGHT INCHES (48"). CBC 11B-403.3 & 11B-403.5
4. UNAUTHORIZED PARKING SIGN IS SHOWN ON SHEET 3/A5.01.

PATH OF TRAVEL, TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE
"ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING ½" IF BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING ¼" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM, AND SLIP-RESISTANT. CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND FREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL."

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

SHEET TITLE:

(N) ENLARGED SITE PLAN - NEW CONSTRUCTION

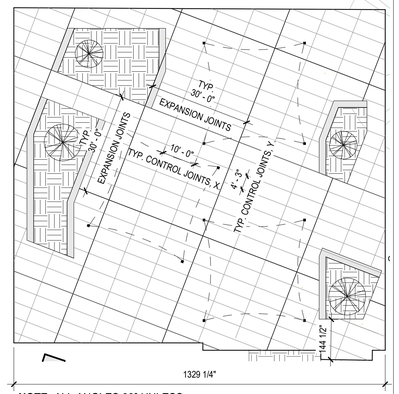
PROJECT NO. 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

A0.02

DATE: 01/27/2023 | SHEET: ____ OF ____

(N) ENLARGED PLAZA PLAN	1/8" = 1'-0"	1



NOTE: ALL ANGLES 90° UNLESS NOTED OTHERWISE

(N) PLAZA - CONCRETE CUT LINES	3/64" = 1'-0"	2

CBC 2019 GEOHAZARD REPORT REQUIREMENT

3.1.1.1 EXCEPTION: INDIVIDUAL FABRIC SHADE STRUCTURES USED AS A SHADE CANOPIES AND LUNCH SHELTERS OF REGULAR SHAPE (E.G. HIP, FLAT, GABEL, PYRAMID) 1,600 SQ.FT. OR LESS SUPPORTED ON ALL CORNERS BY COLUMNS (THREE MINIMUM) WITH MAXIMUM COLUMN GRID SPACE OR 40 FEET DO NOT REQUIRE A GEOHAZARD REPORT. INDIVIDUAL FABRIC SHADE STRUCTURES MAY BE GROUPED ADJACENT TO EACH OTHER USING COMMON COLUMNS UP TO A MAXIUM OF 4,000 SQ. FT. COMBINED.

DSA IR A-4
FABRIC STRUCTURES, GEOLOGICAL SURVEY

3.1 FOR ANY EXISTING SITE, REGARDLESS OF LOCATION

3.1.1 SITEWORK, NON-BUILDING STRUCTURES, OR STRUCTURES NOT INTENDED FOR HUMAN OCCUPANCY, UNLESS SUCH CONSTRUCTION IS ESSENTIAL TO THE OPERATION OF THE FACILITY. SEE SECTION 2.9 ABOVE FOR EXAMPLES OF STRUCTURES DEEMED ESSENTIAL TO OPERATION.

3.1.1.1 NON-BUILDING STRUCTURES INCLUDE, BUT ARE NOT LIMITED TO, LIGHT POLES, FLAG POLES, SIGNS, SCOREBOARDS, BALL WALLS, FENCES AND RETAINING WALLS. NON-BUILDING STRUCTURES DO NOT INCLUDE STRUCTURES THAT SHELTER A USE OR OCCUPANCY SUCH AS CANOPIES, LUNCH SHELTERS, OR CARPORTS.

EXCEPTION: INDIVIDUAL FABRIC SHADE STRUCTURES USED AS SHADE CANOPIES AND LUNCH SHELTERS OF REGULAR SHAPE (E.G., HIP, FLAT, GABLE, PYRAMID) 1,600 SQ. FT. OR LESS SUPPORTED ON ALL CORNERS BY COLUMNS (THREE MINIMUM) WITH MAXIMUM COLUMN GRID SPACING OF 40 FEET DO NOT REQUIRE A GEOHAZARD REPORT. INDIVIDUAL FABRIC SHADE STRUCTURES MAY BE GROUPED ADJACENT TO EACH OTHER USING COMMON COLUMNS UP TO A MAXIMUM OF 4,000 SQ. FT. COMBINED. ALL OTHER FABRIC SHADE STRUCTURES, INCLUDING SINGLE OR MULTIPLE COLUMN SUPPORTS, USED AS SHADE CANOPIES AND LUNCH SHELTERS OF REGULAR SHAPE UP TO A MAXIMUM OF 4,000 SQ. FT. DO NOT REQUIRE A GEOHAZARD REPORT PROVIDED A GEOTECHNICAL REPORT INDICATES THAT NO LIQUEFACTION POTENTIAL EXISTS.

SITE LEGEND

- (E) PATH OF TRAVEL
- (N) ACCESSIBLE PATH OF TRAVEL
- AREA OF WORK
- BLDG — EXISTING BUILDING IN SCOPE
- AREA OF WORK IN EXISTING BUILDING
- DEMO (E) PLANTING AREA
- (E) PLANTING AREA
- (N) PLANTING AREA
- DEMO (E) CONCRETE
- (E) CONCRETE
- (N) CONCRETE
- DEMO (E) SITE ACCESSORY
- (N) CONCRETE BENCH
- (E) HAND RAIL
- DEMO (E) HAND RAIL
- (N) HAND RAIL

PLAZA LEGEND

- REFERENCE LINE
- CONTROL JOINTS < 10' O.C.
- EXPANSION JOINTS < 30' O.C.

EXISTING KEYNOTES

E#	
E.02	(E) AREA LIGHTS + PULL BOX, PROTECT
E.04	(E) AREA DRAIN, PROTECT
E.05	(E) HOSE BIB, PROTECT

KEYNOTES

#	
3.01	PIER FOUNDATIONS, SEE USA SHADE SHEET 6.1-10000, PC04-119455
3.02	CONCRETE PAVEMENT, PER C3.1. SEE 2/A1.00 FOR JOINT LAYOUT DESIGN
32.01	(N) CONCRETE SEAT WALL, SEE DETAIL 9/A5.05

GENERAL NOTES

1. CONSTRUCTION ANGLES ARE 90 DEGREE UNLESS NOTED OTHERWISE.
2. SEE CIVIL SHEET C3.0 FOR GRADING

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

SHEET TITLE:

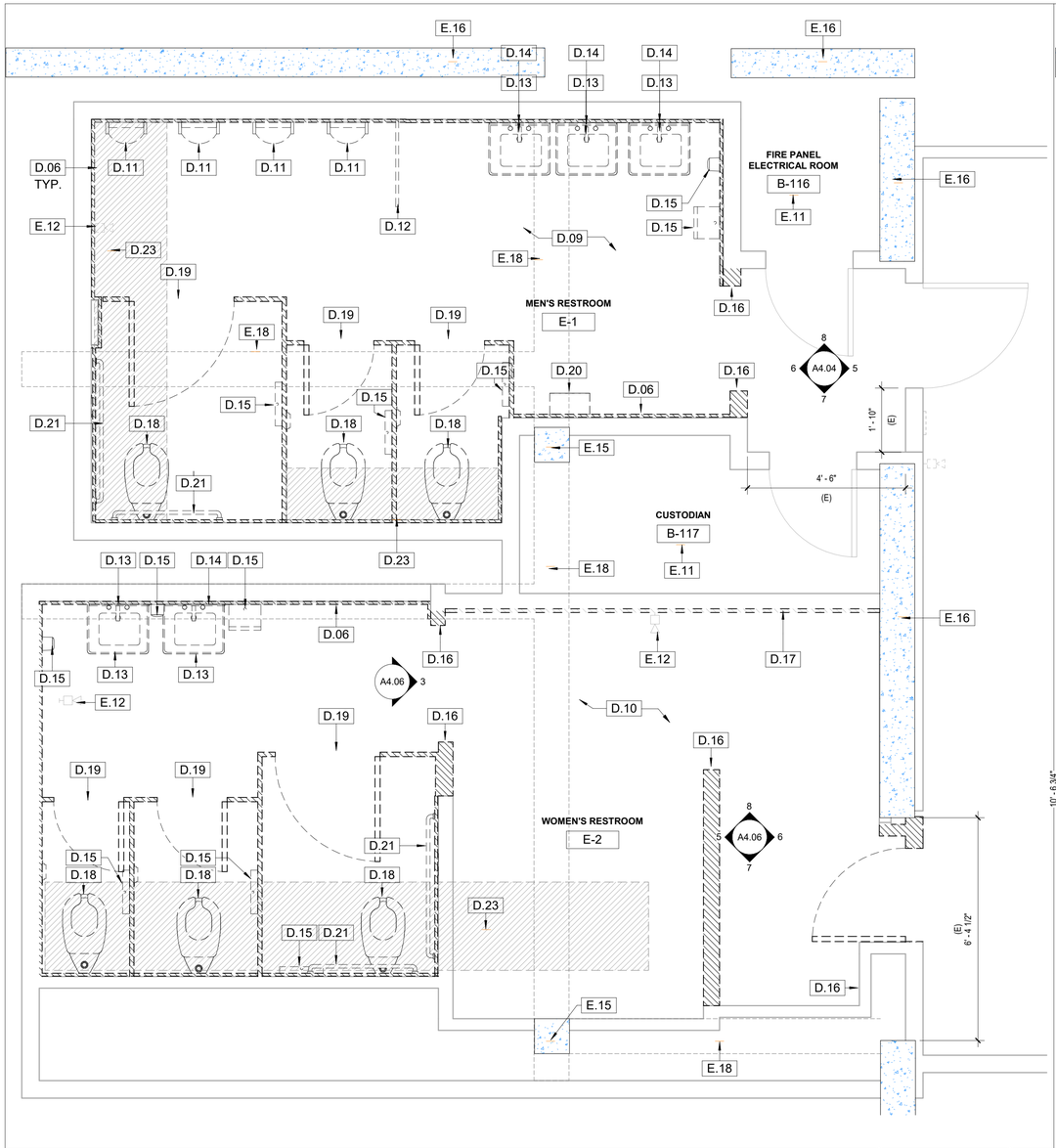
(N) ENLARGED PLAZA PLAN

PROJECT NO. 22-VCCCD-13	PROJECT ARCH. Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

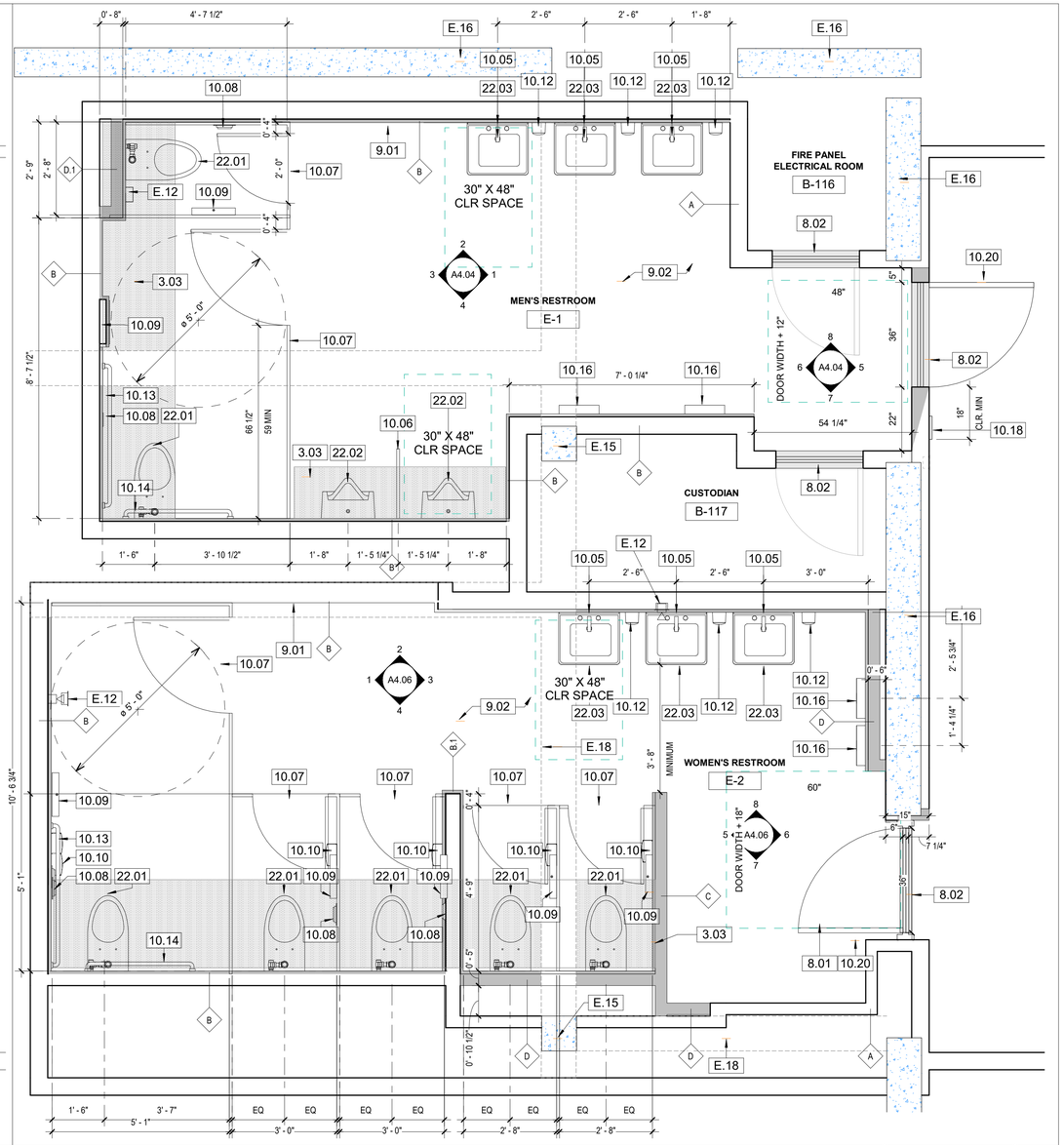
A1.00

DATE: 01/27/2023 SHEET: ____ OF ____



0' 1' 2' 4' 8'

(D) MEN'S + WOMEN'S RR - DEMO | 1/2" = 1'-0" | **1**



0' 1' 2' 4' 8'

(N) MEN'S + WOMEN'S RR - NEW | 1/2" = 1'-0" | **2**

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING STRUCTURAL WALLS TO REMAIN
- EXISTING STRUCTURAL BEAM BELOW SLAB TO REMAIN
- DEMO WALL
- NEW WALL FOR WALL TYPES, SEE TAG
- DEMO (E) 4" CONCRETE SLAB WITH #3 REBAR AT 18" O.C. EACH WAY AND (E) 2" MORTAR BED.
- CONCRETE SLAB - 6" THICK WITH #4 REBAR AT 16" O.C. EACH WAY. DOWEL TO EXISTING SLAB AT 16" O.C. EACH WAY
- # WALL TYPE, SEE A5.05
- ADA ACCESSIBLE SINK

MATERIALS LIST

TAG	MATERIAL	MANUFACTURER	STYLE	COLOR	REMARKS
9.01	(N) 12" X 24" SQUARE TILES	DAL TILE		V1.0 INTENSITY PEBBLE, VL 72	
9.02	(N) 12" X 12" TILE FLOOR	DAL TILE		V1.0 AURAL SAN VL77	
9.04	(N) INTERIOR PAINT - WALLS	DUNN EDWARDS	SEMI GLOSS	WHITE - DEW380	ABOVE TILE
9.04	(N) PAINTED CELING	DUNN EDWARDS	SEMI GLOSS	WHITE - DEW380	
9.05	(N) CERAMIC COVE BASE	DAL TILE		V1.0 INTENSITY PEBBLE, VL 72	6" X 12" COVE BASE P-26C9TB; COVE BASE OUT-CORNER PC-36C9TB

GENERAL NOTE

NO PENETRATION OR CUT OF (E) CONCRETE ELEMENTS, EXCEPT SLAB ON GRADE, SHALL BE PERMITTED. EXISITING STRUCTURE CERTIFIED UNDER A# 10764.

DEMOLITION KEYNOTES D#

- D.06 DEMOLISH (E) 4" X 4" SQUARE TILE TO 6' AFF
- D.09 DEMOLISH (E) 1" X 1" TILE FLOORING
- D.10 DEMOLISH (E) 1" X 1" TILE FLOORING; SAWCUT CONCRETE FLOOR SLAB FOR UNDERGROUND PLUMBING WORK
- D.11 DEMOLISH (E) URINAL
- D.12 DEMOLISH (E) URINAL SCREEN
- D.13 DEMOLISH (E) LAVATORY
- D.14 DEMOLISH (E) MIRROR
- D.15 DEMOLISH (E) RESTROOM ACCESSORY
- D.16 DEMOLISH (E) METAL STUD WALL
- D.17 DEMOLISH (E) GYPSUM BOARD TO CEILING
- D.18 DEMOLISH (E) TOILET
- D.19 DEMOLISH (E) TOILET PARTITION
- D.20 DEMOLISH (E) HAND DRYERS
- D.21 DEMOLISH (E) GRAB BARS
- D.23 DEMOLISH CONCRETE SLAB FOR SEWER LINE

EXISTING KEYNOTES E#

- E.11 PROTECT (E) IMPROVEMENTS IN ROOM
- E.12 PROTECT IN PLACE (E) FIRE ALARM DEVICES FOR REINSTALLATION
- E.15 PROTECT IN PLACE (E) CONCRETE COLUMN
- E.16 PROTECT IN PLACE (E) CONCRETE WALL
- E.18 PROTECT IN PLACE (E) GRADE BEAM WITH 12X12 TIES, SEE GENERAL NOTE ON A4.01, BELOW

KEYNOTES

- 3.03 PATCH CONCRETE SLAB FOR SEWER LINE
- 8.01 DOOR
- 8.02 ALUMINUM THRESHOLD, TYP. AT DOORS
- 9.01 CERAMIC TILE OVER CEMENTITOUS BACKING BOARD, SEE MATERIAL SCHEDULE, A4.01
- 9.02 FLOOR TILE OVER (E) CONCRETE FLOOR SLAB, SEE MATERIAL SCHEDULE, A4.01
- 10.05 MIRROR, 39" AFF
- 10.06 URINAL PARTITION, SEE DETAIL 3/A5.06
- 10.07 TOILET PARTITION, SEE DETAIL 3/A5.06
- 10.08 SURFACE MOUNTED MULTI-ROLL TISSUE DISPENSER, SEE DETAIL 8/G0.03
- 10.09 TOILET SEAT COVER DISPENSER, SEE 2/G0.03

KEYNOTES

- 10.10 SURFACE MOUNTED SANITARY DISPOSAL, BOBRICK B-270, SEE SEE 2/G0.03
- 10.12 LIQUID SOAP DISPENSER, SEE 2/G0.03
- 10.13 48" GRAB BAR, MOUNTED AT 34.5" AFF, SEE 8/G0.03 AND 2/A5.06
- 10.14 36" GRAB BAR, MOUNTED AT 34.5" AFF, SEE 8/G0.03 AND 2/A5.06
- 10.16 RECESSED AIR HAND DRYER, SEE ELECTRICAL SHEETS, SEE 2/G0.03
- 10.18 MEN'S RESTROOM SIGN, SEE 2/A7.01
- 10.20 SYMBOL SIGN, SEE 2/A7.01
- 22.01 WALL MOUNTED TOLIET; AMERICAN STANDARD WALL HUNG MILLENIUM, 3351.101. SEE DETAIL 8/G0.03
- 22.02 WALL MOUNTED URINAL; AMERICAN STANDARD WASHBROOK, 8 GAL FLUSH. SEE DETAIL 6/G0.03
- 22.03 WALL MOUNTED LAVATORY; KOHLER HUDSON MODEL K-2810. SEE DETAIL 3/G0.03

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
MOORPARK OXNARD VENTURA

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT · LEAH ANN AMADOR · C-22205 · APPROVED · STATE OF CALIFORNIA

SHEET TITLE:

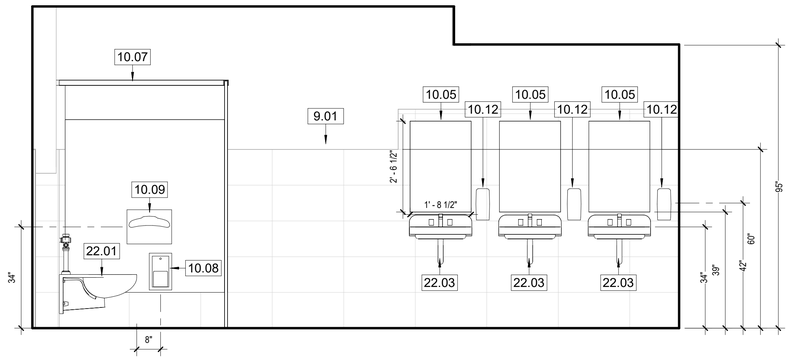
(D) + (N) ENLARGED RESTROOM PLANS

PROJECT NO: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

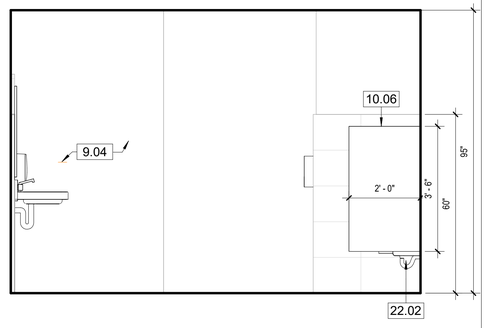
SHEET NUMBER:

A4.01

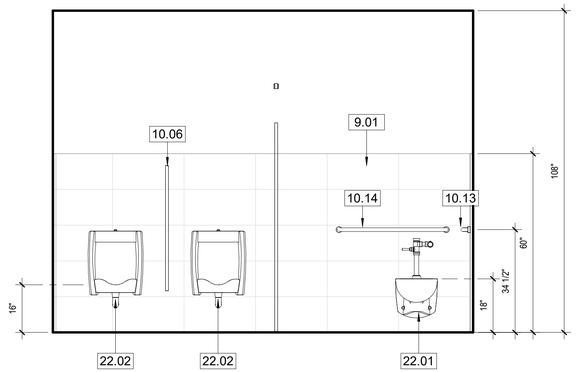
DATE: 01/27/2023 | SHEET: ____ OF ____



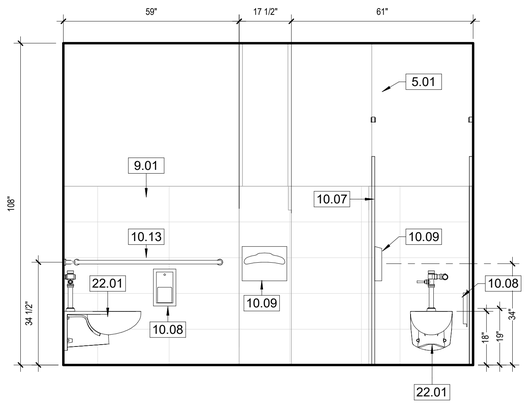
A. NORTH ELEVATION - (N) MEN'S | 1/2" = 1'-0" | 2



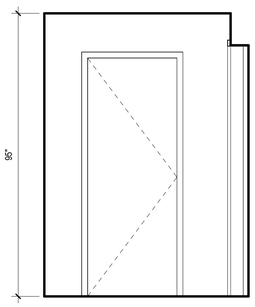
A. EAST ELEVATION - (N) MEN'S | 1/2" = 1'-0" | 1



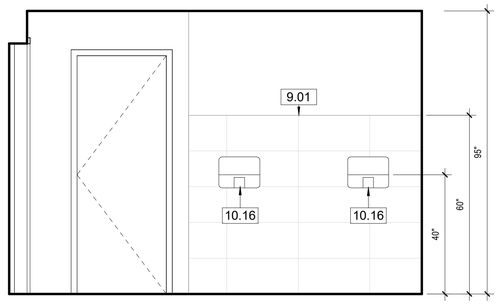
A. SOUTH ELEVATION - (N) MEN'S | 1/2" = 1'-0" | 4



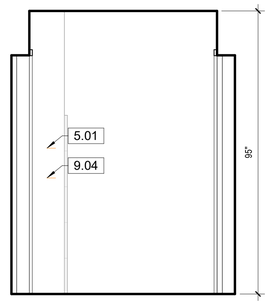
A. WEST ELEVATION - (N) MEN'S | 1/2" = 1'-0" | 3



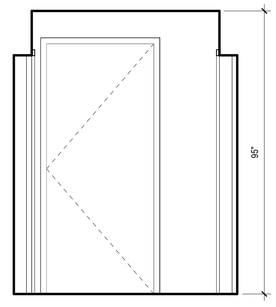
B. NORTH ELEVATION - (N) MEN'S | 1/2" = 1'-0" | 8



B. SOUTH ELEVATION - (N) MEN'S | 1/2" = 1'-0" | 7



B. WEST ELEVATION - (N) MEN'S | 1/2" = 1'-0" | 6



B. EAST ELEVATION - (N) MEN'S | 1/2" = 1'-0" | 5

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING STRUCTURAL WALLS TO REMAIN
- EXISTING STRUCTURAL BEAM BELOW SLAB TO REMAIN
- DEMO WALL
- NEW WALL FOR WALL TYPES, SEE TAG
- DEMO (E) 4" CONCRETE SLAB WITH #3 REBAR AT 18" O.C. EACH WAY AND (E) 2" MORTAR BED.
- CONCRETE SLAB - 6" THICK WITH #4 REBAR AT 16" O.C. EACH WAY. DOWEL TO EXISTING SLAB AT 16" O.C. EACH WAY
- WALL TYPE, SEE A5.05
- ACCESSIBLE SINK

EXISTING KEYNOTES

E#

KEYNOTES

#

5.01	METAL STUD WALL, SEE 8/A5.05 FOR WALL DETAIL
9.01	CERAMIC TILE OVER CEMENTITOUS BACKING BOARD, SEE MATERIAL SCHEDULE, A4.01
9.04	PAINT, SEE MATERIAL SCHEDULE, A4.01
10.05	MIRROR, 39" AFF
10.06	URINAL PARTITION, SEE DETAIL 3/A5.06
10.07	TOILET PARTITION, SEE DETAIL 3/A5.06
10.08	SURFACE MOUNTED MULTI-ROLL TISSUE DISPENSER, SEE DETAIL 8/G0.03
10.09	TOILET SEAT COVER DISPENSER, SEE 2/G0.03
10.12	LIQUID SOAP DISPENSER, SEE 2/G0.03
10.13	48" GRAB BAR, MOUNTED AT 34.5" AFF, SEE 8/G0.03 AND 2/A5.06
10.14	36" GRAB BAR, MOUNTED AT 34.5" AFF, SEE 8/G0.03 AND 2/A5.06
10.16	RECESSED AIR HAND DRYER, SEE ELECTRICAL SHEETS, SEE 2/G0.03
22.01	WALL MOUNTED TOLIET; AMERICAN STANDARD WALL HUNG MILLENIUM, 3351.101. SEE DETAIL 8/G0.03
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22.03	WALL MOUNTED LAVATORY; KOHLER HUDSON MODEL K-2810. SEE DETAIL 3/G0.03

0' 1' 2' 4' 8'

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT · REAS ANN AMADOR · C-22205 · STATE OF CALIFORNIA

SHEET TITLE:

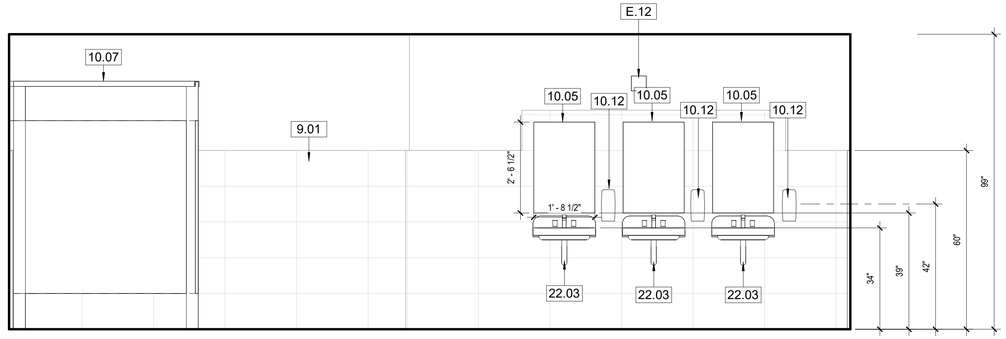
(N) MEN'S ENLARGED RESTROOM PLANS + ELEVATIONS - NEW

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH.: Designer
DRAWN: Author	CHECKED: Checker

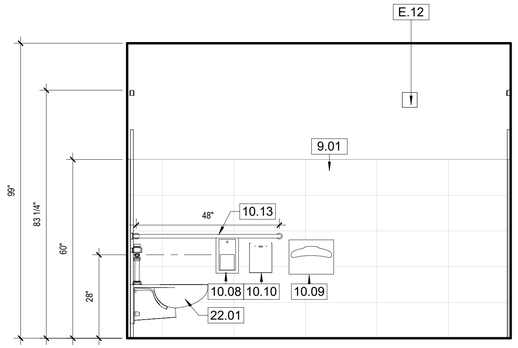
SHEET NUMBER:

A4.04

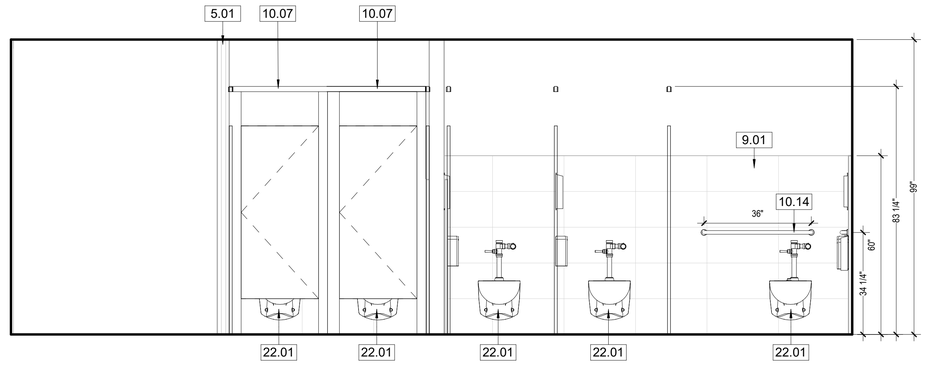
DATE: 01/27/2023 | SHEET: ___ OF ___



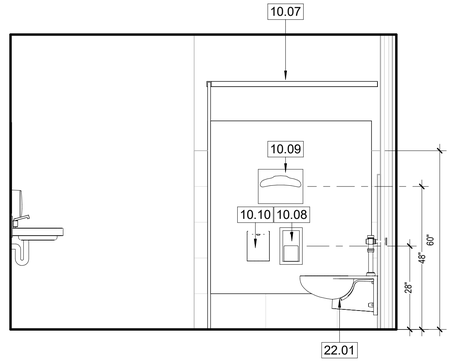
A. NORTH ELEVATION - (N) WOMENS | 1/2" = 1'-0" | 2



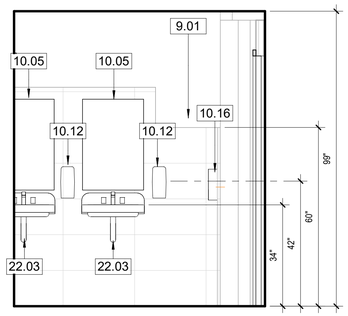
A. WEST ELEVATION - (N) WOMENS | 1/2" = 1'-0" | 1



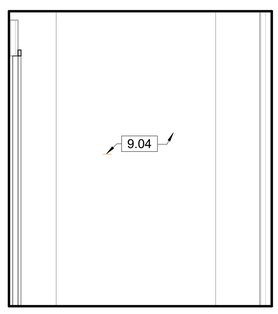
A. SOUTH ELEVATION - (N) WOMENS | 1/2" = 1'-0" | 4



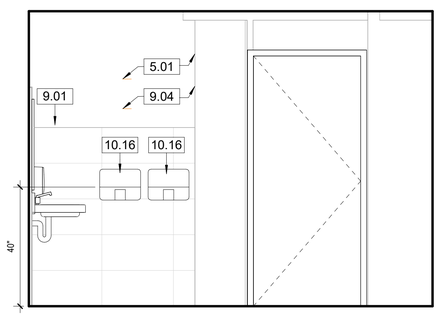
A. EAST ELEVATION - (N) WOMENS | 1/2" = 1'-0" | 3



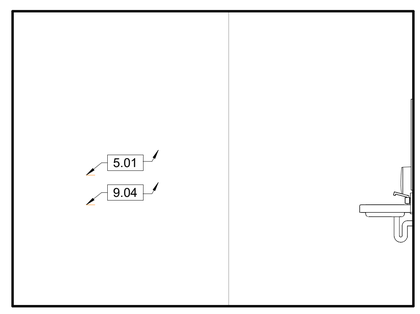
B. NORTH ELEVATION - (N) WOMENS | 1/2" = 1'-0" | 8



B. SOUTH ELEVATION - (N) WOMENS | 1/2" = 1'-0" | 7



B. EAST ELEVATION - (N) WOMENS | 1/2" = 1'-0" | 6



B. WEST ELEVATION - (N) WOMENS | 1/2" = 1'-0" | 5

LEGEND

- EXISTING WALL TO REMAIN
- EXISTING STRUCTURAL WALLS TO REMAIN
- EXISTING STRUCTURAL BEAM BELOW SLAB TO REMAIN
- DEMO WALL
- NEW WALL FOR WALL TYPES, SEE TAG
- DEMO (E) 4" CONCRETE SLAB WITH #3 REBAR AT 18" O.C. EACH WAY AND (E) 2" MORTAR BED.
- CONCRETE SLAB - 6" THICK WITH #4 REBAR AT 16" O.C. EACH WAY. DOWEL TO EXISTING SLAB AT 16" O.C. EACH WAY
- # — WALL TYPE, SEE A5.05
- ADA — ACCESSIBLE SINK

EXISTING KEYNOTES

E#

E.12	PROTECT IN PLACE (E) FIRE ALARM DEVICES FOR REINSTALLATION

KEYNOTES

#

5.01	METAL STUD WALL, SEE 8/A5.05 FOR WALL DETAIL
9.01	CERAMIC TILE OVER CEMENTITOUS BACKING BOARD, SEE MATERIAL SCHEDULE, A4.01
9.04	PAINT, SEE MATERIAL SCHEDULE, A4.01
10.05	MIRROR, 39" AFF
10.07	TOILET PARTITION, SEE DETAIL 3/A5.06
10.08	SURFACE MOUNTED MULTI-ROLL TISSUE DISPENSER, SEE DETAIL 8/G0.03
10.09	TOILET SEAT COVER DISPENSER, SEE 2/G0.03
10.10	SURFACE MOUNTED SANITARY DISPOSAL, BOBRICK B-270, SEE SEE 2/G0.03
10.12	LIQUID SOAP DISPENSER, SEE 2/G0.03
10.13	48" GRAB BAR, MOUNTED AT 34.5" AFF, SEE 8/G0.03 AND 2/A5.06
10.14	36" GRAB BAR, MOUNTED AT 34.5" AFF, SEE 8/G0.03 AND 2/A5.06
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22.01	WALL MOUNTED TOLIET; AMERICAN STANDARD WALL HUNG MILLENIUM, 3351.101. SEE DETAIL 8/G0.03
22.03	WALL MOUNTED LAVATORY; KOHLER HUDSON MODEL K-2810. SEE DETAIL 3/G0.03

0' 1' 2' 4' 8'

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

SHEET TITLE:

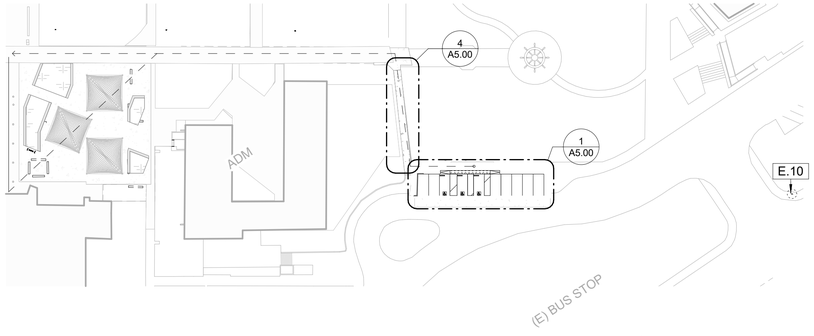
(N) WOMEN'S ENLARGED RESTROOM PLANS + ELEVATIONS - NEW

PROJECT NO: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

A4.06

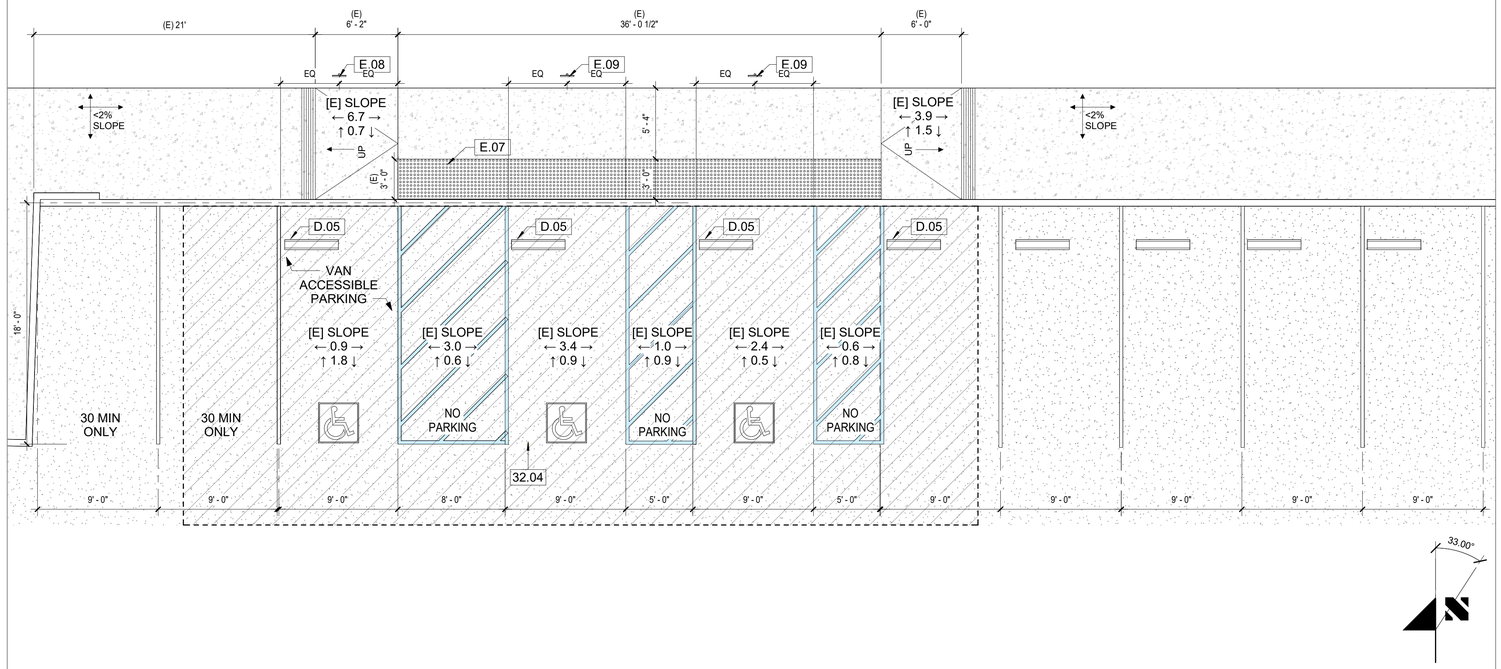
DATE: 01/27/2023 | SHEET: ____ OF ____



0' 30' 60' 120' 240'

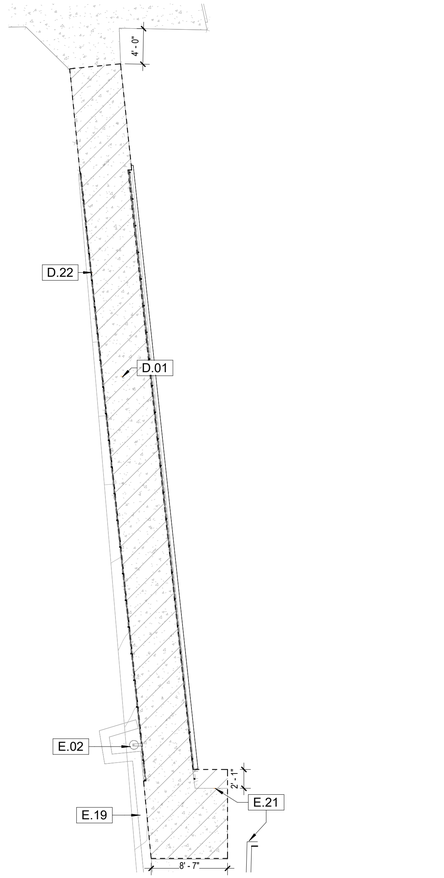
KEYPLAN - PARKING | 1" = 60'-0" | **2**

(E) ADA PARKING DSA A# A-60132, A-114511 | **E - ACCESSIBLE PARKING - PHOTOS** | NOT TO SCALE | **3**



0' 4' 8' 16' 32'

(E) ADA PARKING DSA A# A-60132, A-114511 | **SITE PLAN - PARKING - E** | 3/16" = 1'-0" | **1**



0' 4' 8' 16' 32'

RAMP, DEMO | 1/8" = 1'-0" | **4**

(E) Ramp Photos | 3/32" = 1'-0" | **5**

EXISTING PARKING NOTES

E ADA PARKING UNDER DSA A# A-60132, A-114511

DEMOLITION KEYNOTES

D#	
D.01	DEMOLISH (E) CONCRETE, SEE C2.0 AND C2.1
D.05	DEMOLISH (E) CONCRETE WHEELSTOP
D.22	DEMOLISH (E) RAILING

EXISTING KEYNOTES

E#	
E.02	(E) AREA LIGHTS + PULL BOX, PROTECT
E.07	(E) TACTLIE PAVING, PROTECT
E.08	(E) VAN ACCESSIBLE PARKING SIGN, SEE 4/A7.01
E.09	(E) ACCESSIBLE PARKING SIGN, SEE 4/A7.01
E.10	(E) VEHICLE TOW AWAY SIGN, SEE 3/A5.01 FOR ADDITIONAL TEXT TO BE ADDED
E.19	(E) 12' LANDSCAPE BLOCK WALL TO REMAIN, PROTECT IN PLACE
E.21	EDGE OF (E) PAVEMENT

KEYNOTES

#	
32.04	GRIND AND REPAVE WITH (N) ASPHALT AT MAX 2% GRADE

DIVISION OF THE STATE ARCHITECT

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28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT
JEAN ANN AMADOR
C-22205
EXPIRES 08-31-2023
STATE OF CALIFORNIA

SHEET TITLE:

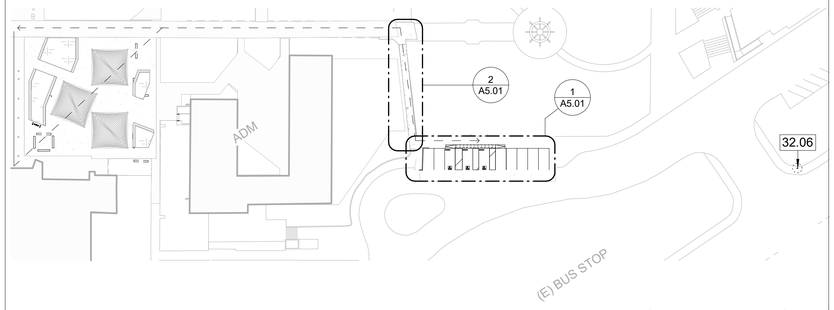
(D) ACCESSIBLE PARKING

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH.: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

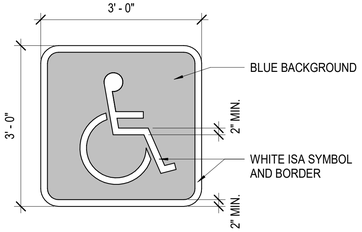
A5.00

DATE: 01/27/2023 | SHEET: ____ OF ____



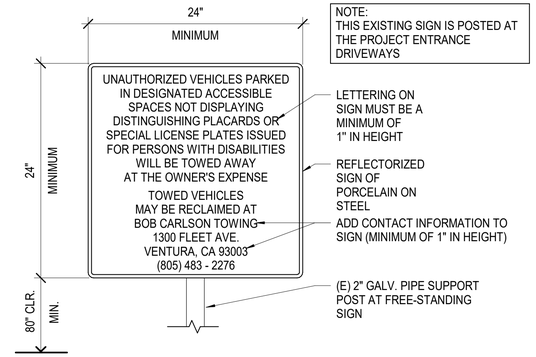
0' 30' 60' 120' 240'

KEYPLAN - PARKING | 1" = 60'-0" | 6

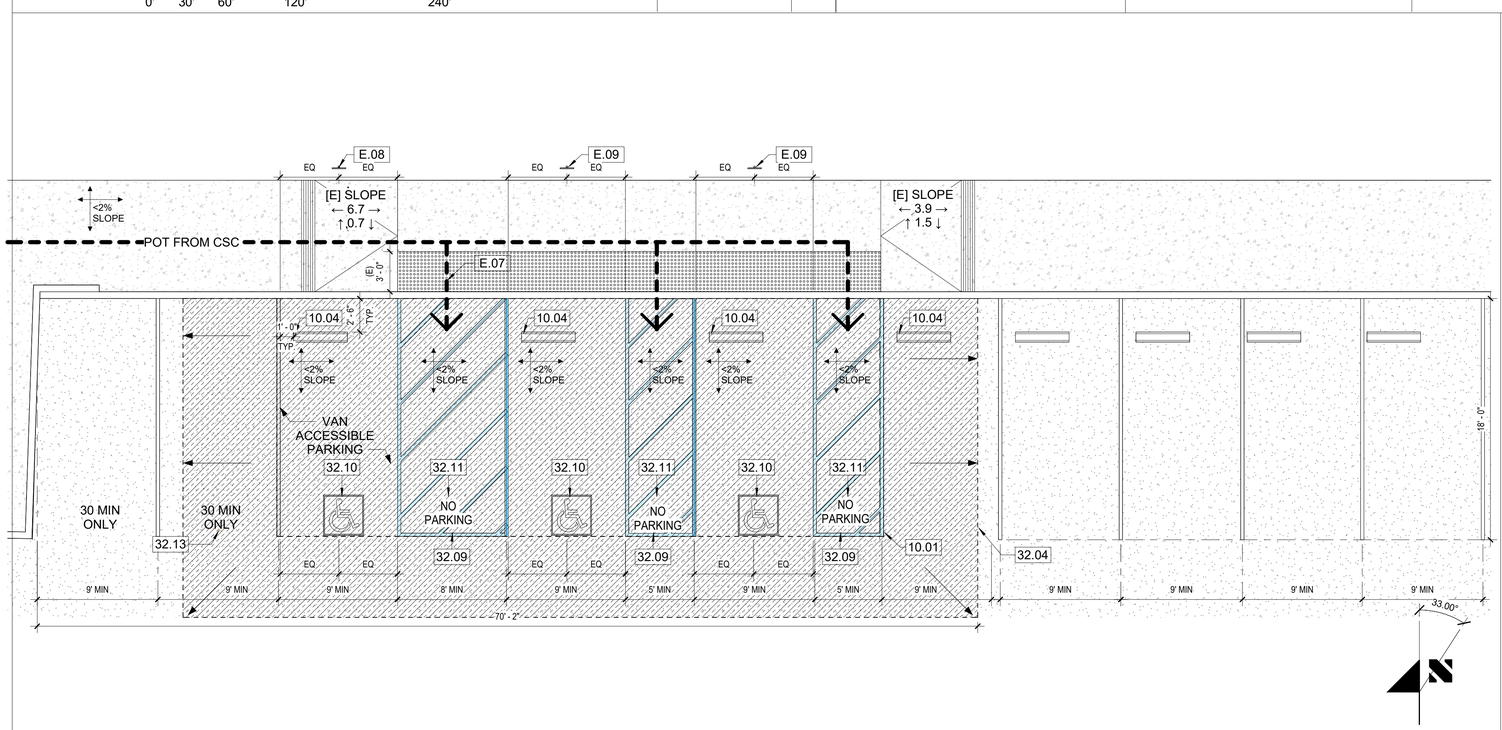


NOTES:
1. SIGNAGE TO BE PAINTED ON EXISTING PAVEMENT. REPAIR PAVEMENT IF EXISTING CONDITION IS NOT SUITABLE FOR PROPER PAINT APPLICATION.
2. SYMBOL PROPORTIONS SHALL APPROXIMATE CBC FIGURE 11B-703.7.2.1.

INTERNATIONAL SYMBOL | 3/4" = 1'-0" | 4

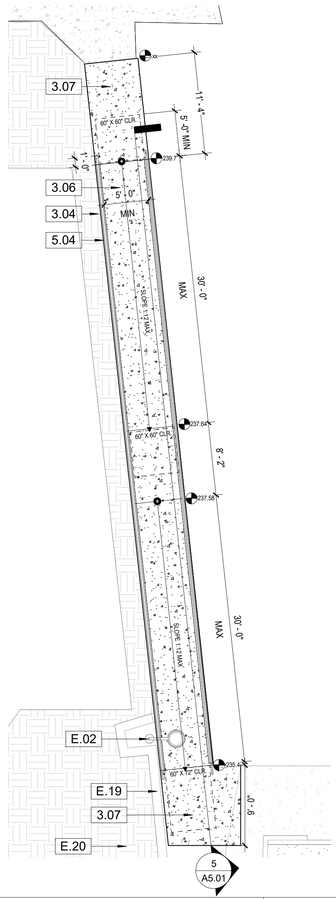


EXISTING VEHICLE TOW AWAY SIGN | 1 1/2" = 1'-0" | 3



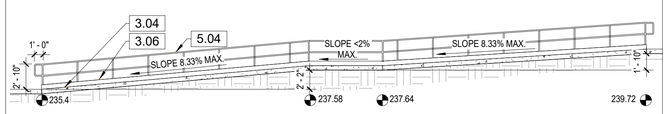
0' 4' 8' 16' 32'

SITE PLAN - PARKING - N | 3/16" = 1'-0" | 1



0' 4' 8' 16' 32'

RAMP, NEW | 1/8" = 1'-0" | 2



0' 4' 8' 16' 32'

(N) RAMP SECTION | 1/8" = 1'-0" | 5

CODE ANALYSIS

PARKING SUMMARY

STANDARD STALLS = 7
ACCESSIBLE STALLS = 2

VAN ACCESSIBLE STALLS = 1

TOTAL PARKING = 10 STALLS

NOTE: NEW SHADE STRUCTURES (DSA A#03-122792) DO NOT INCREASE THE OCCUPANT LOAD OF THE CAMPUS. THEREFORE, THE TOTAL NUMBER OF EXISTING PARKING STALLS MEETS CODE REQUIREMENTS, AND NO ADDITIONAL PARKING SPACES WILL BE REQUIRED.

DEMOLITION KEYNOTES

D#

EXISTING KEYNOTES

E#

E.02	(E) AREA LIGHTS + PULL BOX, PROTECT
E.07	(E) TACTLIE PAVING, PROTECT
E.08	(E) VAN ACCESSIBLE PARKING SIGN, SEE 4/A7.01
E.09	(E) ACCESSIBLE PARKING SIGN, SEE 4/A7.01
E.19	(E) 12' LANDSCAPE BLOCK WALL TO REMAIN, PROTECT IN PLACE
E.20	(E) GRASS

KEYNOTES

#

3.04	CONCRETE CURB, 6"
3.06	CONCRETE RAMP WITH MAX. CROSS SLOPE 2%, SEE CIVIL DWGS.
3.07	CONCRETE LANDING, SEE CIVIL DWGS.
5.04	1-1/2" DIA. GALVANIZED HANDRAIL, SEE 5/A5.06
10.01	RESTRIPE AND REGRADE (E) ACCESSIBLE PARKING SPACES, SEE G0.04
10.04	4' CONCRETE WHEELSTOP, SEE 1/A5.05
32.04	GRIND AND REPAVE WITH (N) ASPHALT AT MAX 2% GRADE
32.06	TOW AWAY SIGN, ADD CORRECT CONTACT INFO, SEE 3/A5.01
32.09	4" WIDE STRIPING, 3' APART MAX. WHITE COLOR ON ASPHALT, BLUE ON CONCRETE
32.10	ISA SYMBOL, SEE 4/A5.01
32.11	PAINT "NO PARKING" IN WHITE LETTERING, 12 INCHES (305 MM) MIN. IN HEIGHT
32.13	PAINT 30 MIN ONLY" IN WHITE LETTERING, 12 INCHES (305 MM) MIN. IN HEIGHT

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

SHEET TITLE:

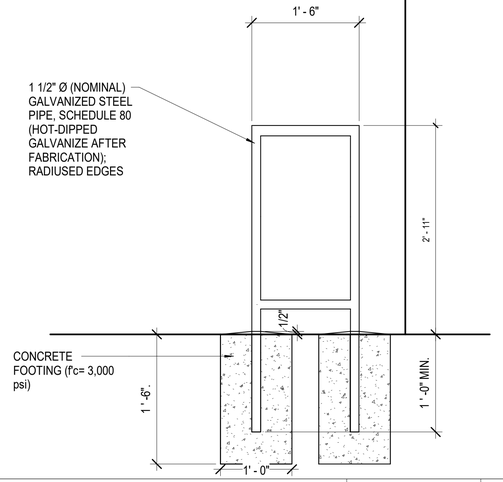
(N) ACCESSIBLE PARKING

PROJECT NO. 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

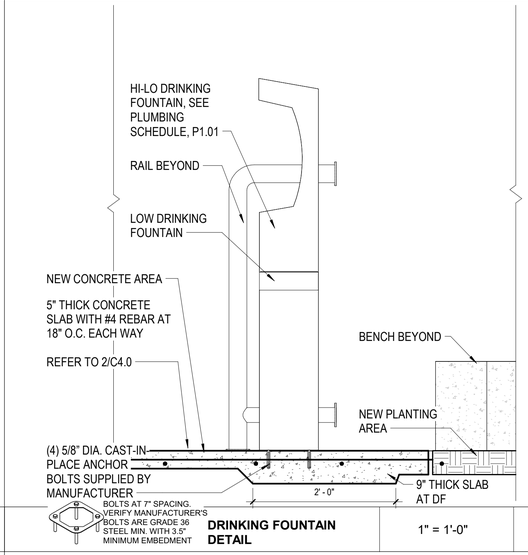
SHEET NUMBER:

A5.01

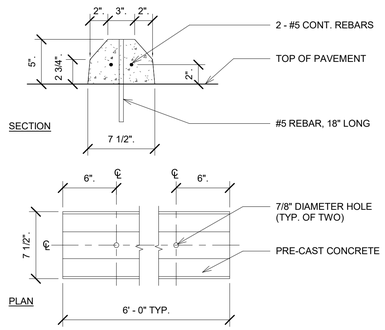
DATE: 01/27/2023 | SHEET: ____ OF ____



WING GUARD DETAIL | 1" = 1'-0" | 3



DRINKING FOUNTAIN DETAIL | 1" = 1'-0" | 2

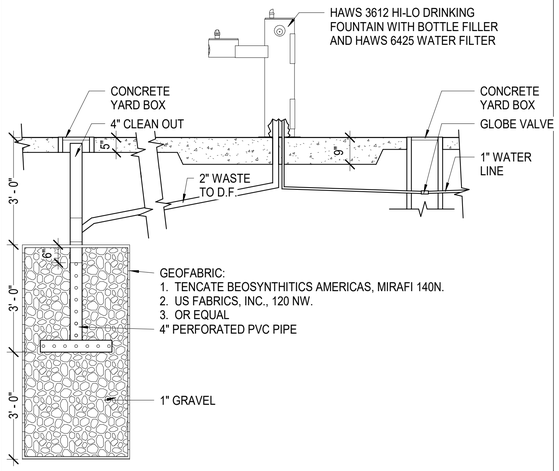


CONCRETE WHEEL STOP | 1" = 1'-0" | 1

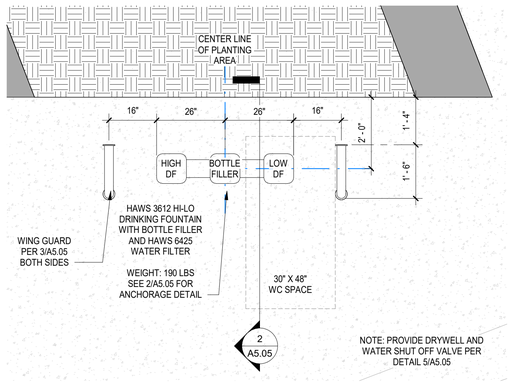
GENERAL NOTES - DETAILS

1. COVED BASE - SCHLUTER SYSTEM STAINLESS STEEL COVED BASE WITH INSIDE AND OUTSIDE CORNER ACCESSORIES, TYPICAL THROUGHOUT RESTROOMS.

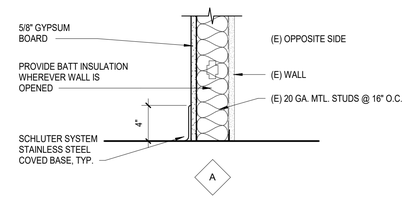
2. FOR TYPICAL METAL STUD DETAILS, SEE 1/A5.06



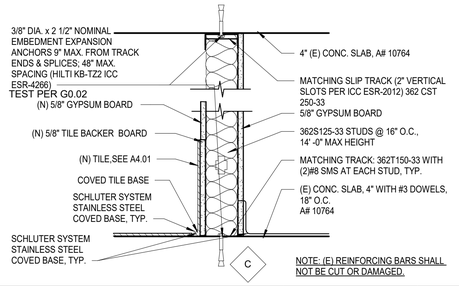
CLEAN OUT AT DRINKING FOUNTAIN | 1/2" = 1'-0" | 5



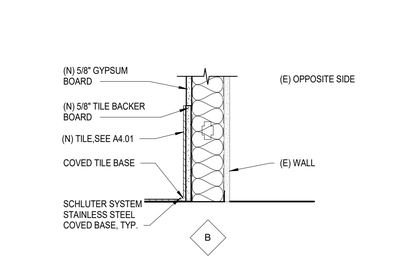
DRINKING FOUNTAIN DETAIL, 1/A0.02 | 1/2" = 1'-0" | 4



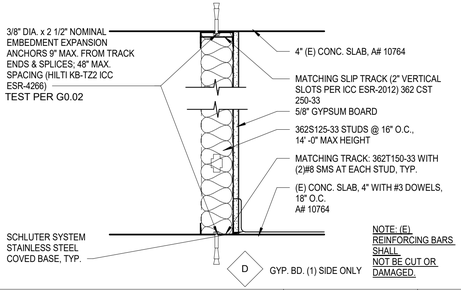
WALL TYPE A | 1 1/2" = 1'-0" | 6



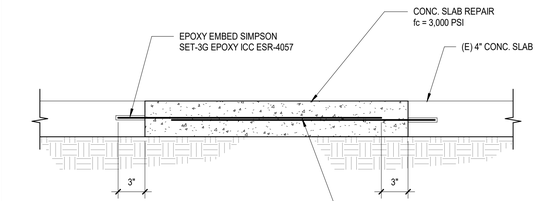
WALL TYPES C | 1 1/2" = 1'-0" | 8



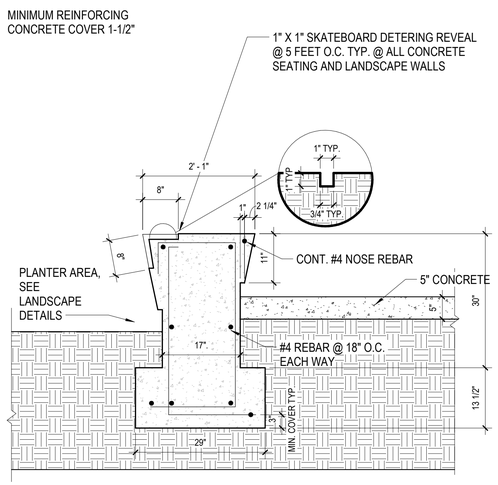
WALL TYPE B | 1 1/2" = 1'-0" | 7



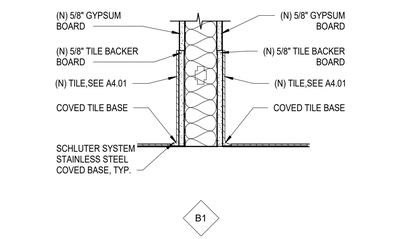
WALL TYPES D | 1 1/2" = 1'-0" | 13



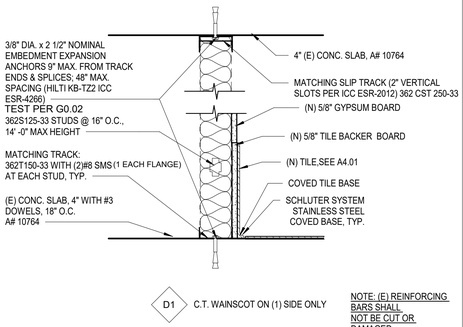
CONCRETE SLAB REPAIR | 1 1/2" = 1'-0" | 10



TYPICAL SEAT WALL | 3/4" = 1'-0" | 9



WALL TYPE B.1 | 1 1/2" = 1'-0" | 11



WALL TYPES D.1 | 1 1/2" = 1'-0" | 12

DIVISION OF THE STATE ARCHITECT

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VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

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COMMISSIONED ARCHITECT

AMADOR

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

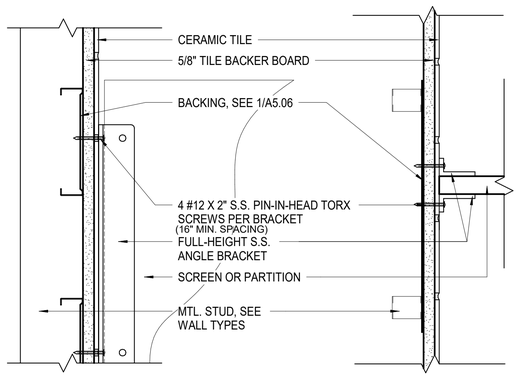
SHEET TITLE:

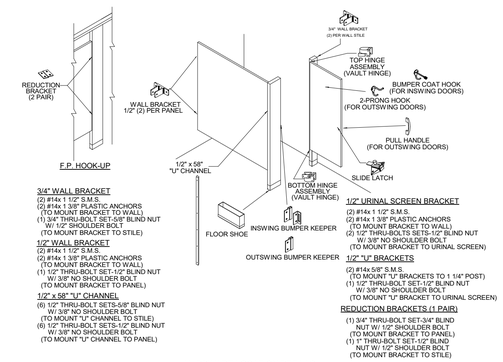
DETAILS

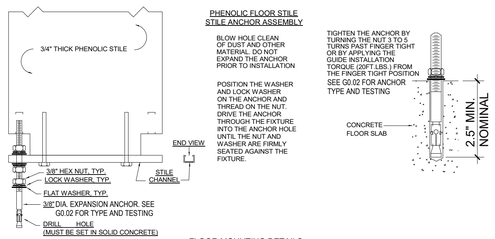
PROJECT NO: 22-VCCCD-13 | PROJECT ARCH: Designer
DRAWN: Author | CHECKED: Checker
SHEET NUMBER:

A5.05

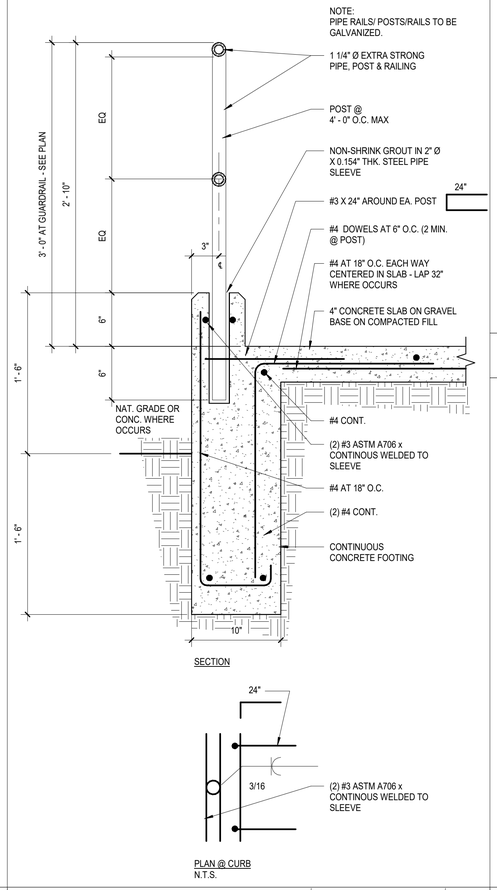
DATE: 01/27/2023 | SHEET: ____ OF ____



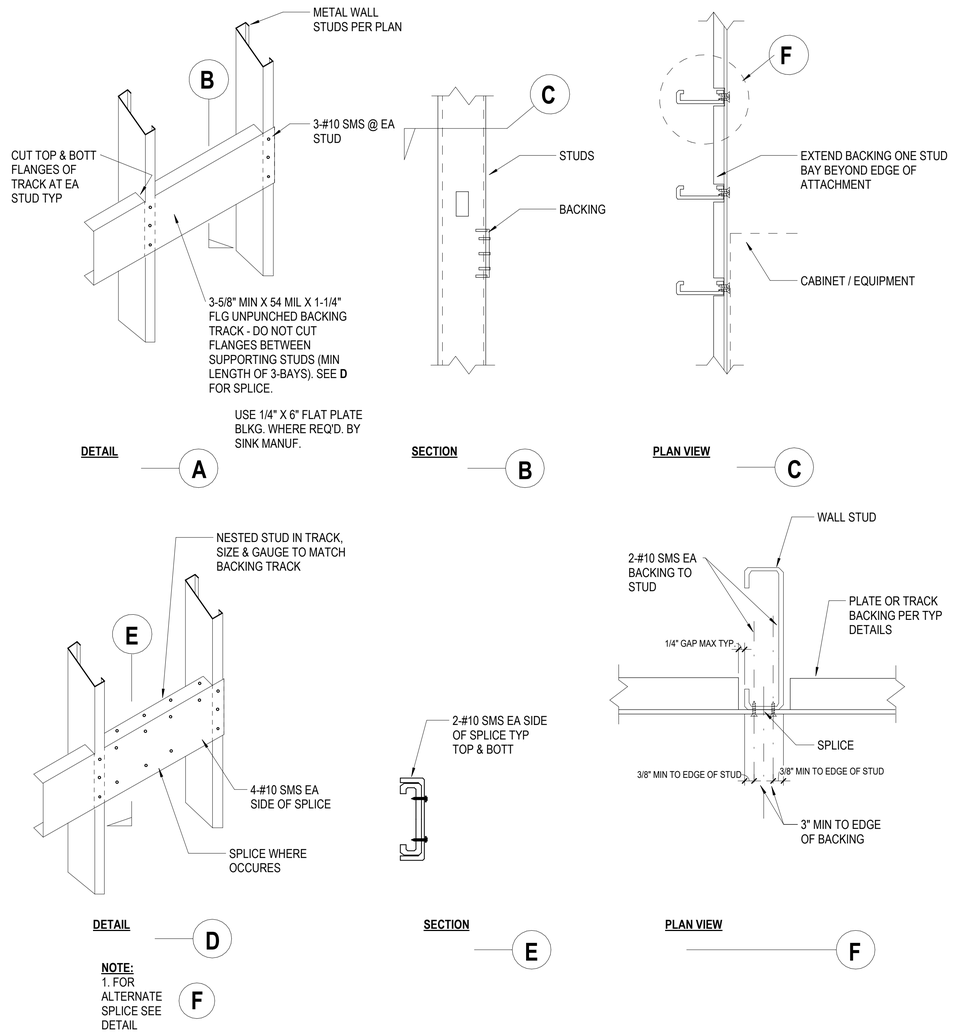




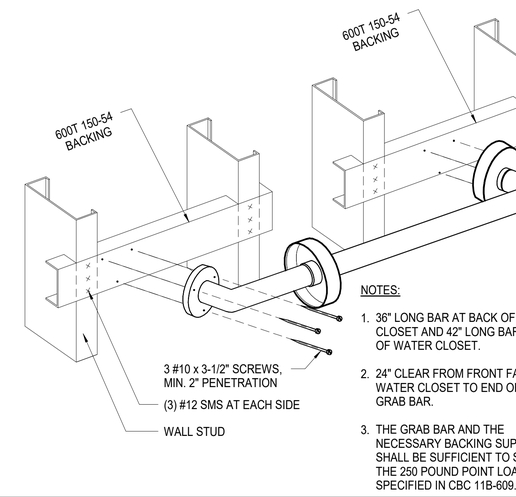
TOILET PARTITION & URINAL SCREEN	1/4" = 1'-0"	3



HANDRAIL AT RAMP	1 1/2" = 1'-0"	5



TYPICAL METAL STUD WALL DETAILS	1 1/2" = 1'-0"	1	NOT TO SCALE



GRAB BAR DETAIL	3" = 1'-0"	2

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LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

SHEET TITLE:

DETAILS

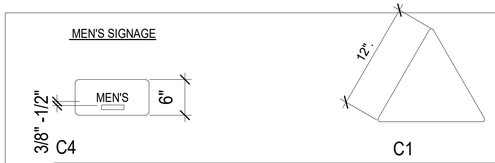
PROJECT NO: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

A5.06

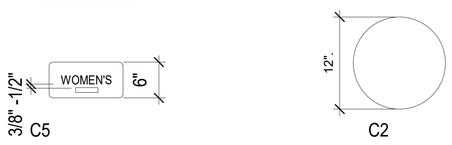
DATE: 01/27/2023 SHEET: ___ OF ___

MEN'S SIGNAGE



C4 C1

WOMEN'S SIGNAGE



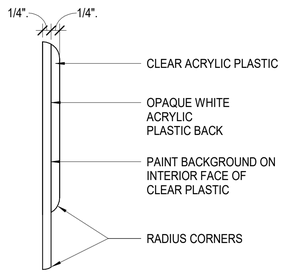
C5 C2

RESTROOM WALL SIGNS

NOTE: RESTROOM WALL SIGNS ARE TO BE MOUNTED ON LATCH SIDE OF DOOR.

RESTROOM DOOR SIGNS

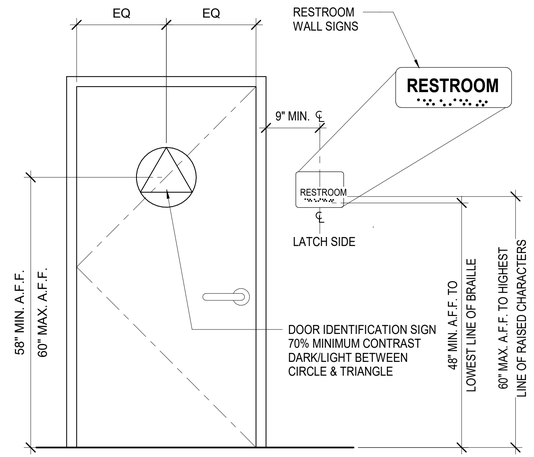
NOTE: RESTROOM DOOR SIGNS ARE TO BE CENTERED ON DOOR.



DOOR SIGN SECTION

NOTES ON RESTROOM SIGNAGE:

1. ALL RESTROOM DOOR SIGNS SHALL BE MOUNTED AT 58" MINIMUM AND 60" MAXIMUM ABOVE FINISH FLOOR TO CENTER OF SIGN.
2. ATTACH SIGN USING (3) THREE FLATHEAD WOOD SCREWS, COUNTER-SUNK AND ADHESIVE.
3. ISA SYMBOL REQUIRED ON DOOR, WALL OR SEPARATE SIGN, NOT REQUIRED TO BE RAISED FROM BACKGROUND.
4. GEOMETRIC SYMBOL DOOR SIGNS FOR RESTROOMS MUST CONTRAST WITH DOOR, DARK ON LIGHT OR LIGHT ON DARK. FOR UNISEX DOOR SIGNS, TRIANGLE TO CONTRAST WITH CIRCLE, WHICH MUST CONTRAST WITH THE DOOR, 70% MINIMUM LIGHT/DARK. ENTIRE BACKGROUND COLOR OF GEOMETRIC SYMBOL SIGN MUST CONTRAST WITH DOOR. IT IS NOT ALLOWED TO HAVE A THIN CONTRASTING BORDER AROUND SYMBOL, WITH REMAINDER OF SIGN BACKGROUND IN A NON-CONTRASTING COLOR. ISA, CONTRASTING WITH BACKGROUND, MAY BE ON SIGN.
5. EDGES OF SIGNS SHALL BE ROUNDED, CHAMFERED OR EASED. CORNERS OF SIGNS SHALL HAVE A MINIMUM RADIUS OF 1/8 INCH.



RESTROOM DOOR SIGN ELEVATION

RESTROOM SIGNAGE (TYPE C1 thru C6)	1" = 1'-0"	2

(A) CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" (0.794 MM) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE E BELOW). CBC 11B-703.2

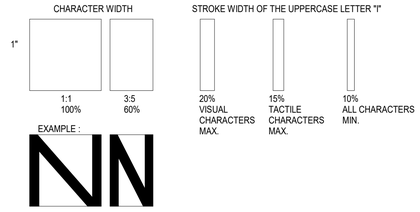
(B) CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.9 MM) AND A MAXIMUM OF 2 INCHES (51 MM) HIGH BASED ON THE HEIGHT OF THE UPPERCASE LETTER "I". CBC 11B-703.2.5

(C) FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, PICTOGRAMS, SYMBOLS AND THEIR BACKGROUND MUST HAVE A NON-GLARE FINISH. CHARACTERS, PICTOGRAMS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND. CBC 11B-703.5.1, 11B-703.6.2, 11B-703.7.1

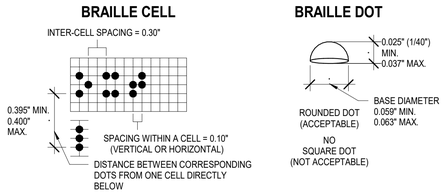
(D) PROPORTIONS: CHARACTERS ON SIGNS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 % MINIMUM AND 110% MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I", CBC 11B-703.2.4, 11B-703.5.4. STROKE THICKNESS OF THE UPPERCASE LETTER "I" SHALL BE 15% MAXIMUM OF THE HEIGHT OF THE CHARACTER FOR RAISED CHARACTERS AND 10% MINIMUM AND 20% MAXIMUM OF THE HEIGHT OF THE CHARACTER FOR VISUAL CHARACTERS. CBC 11B-703.2.6, 11B-703.5.7

AFTER CHOOSING A TYPESTYLE TO TEST, BEGIN BY PRINTING THE LETTERS "I" AND "O" AT 1 INCH HIGH. PLACE THE TEMPLATE'S 1:1 SQUARE OVER THE "O". IF THE CHARACTER IS NOT WIDER THAN 1 INCH, NOR NARROWER THAN THE 3:5 RECTANGLE, THE PROPORTIONS ARE CORRECT. USE THE 15% OR 10% RECTANGLE TO DETERMINE IF THE STROKE OF THE "I" IS TOO BROAD, AND THE 10% RECTANGLE TO SEE IF IT IS TOO NARROW. IF ALL THE TESTS ARE PASSED, THE TYPESTYLE IS COMPLIANT WITH PROPORTION CODE.

TEMPLATE FOR CHECKING CHARACTER AND STROKE WIDTH TO HEIGHT PROPORTIONS:

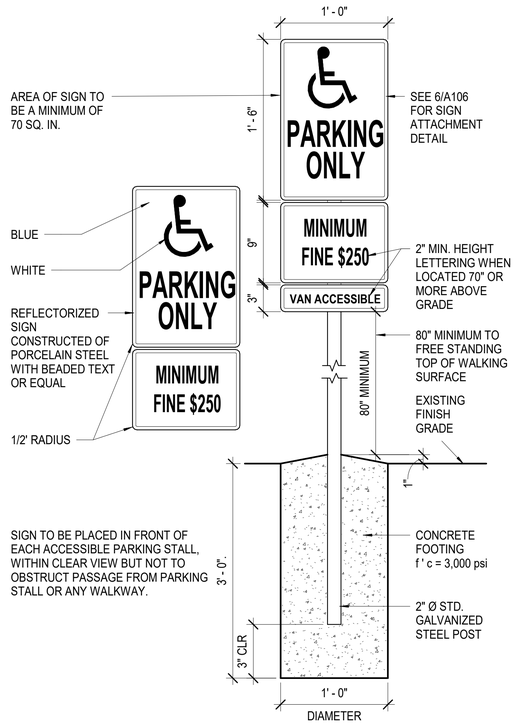


(E) BRAILLE: CONTRACTED CALIFORNIA GRADE 2 BRAILLE SHALL BE USED WHEREVER BRAILLE IS REQUIRED IN OTHER PORTIONS OF THESE STANDARDS. DOTS SHALL BE 1/10 INCH (2.5 MM) ON CENTERS IN EACH CELL WITH 0.30 INCH (7.6 MM) SPACE BETWEEN CELLS, MEASURED FROM THE SECOND COLUMN OF DOTS IN THE FIRST CELL TO THE FIRST COLUMN OF DOTS IN THE SECOND CELL. DOTS SHALL BE RAISED A MINIMUM OF 1/40 INCH (0.635 MM) ABOVE THE BACKGROUND AND 0.037" MAXIMUM. CBC 11B-703.3

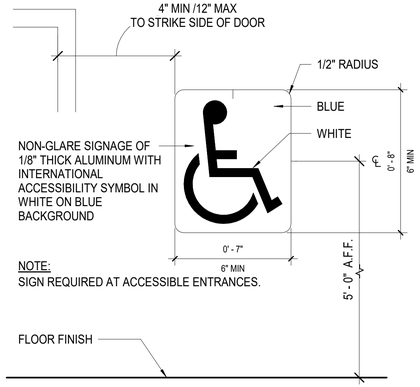


INDIVIDUAL BRAILLE DOTS SHALL EACH BE DISTINCT & SEPARATE. EACH DOT SHALL BE ROUNDED OR DOMED IN LIEU OF SQUARE SIDED & FLAT TOPPED. DOTS WITH STRAIGHT SIDES AND FLAT TOPS ARE NOT READABLE FOR MANY BRAILLE USERS.

CHARACTERS & BRAILLE SIGN DETAIL	6" = 1'-0"	1



ADA Parking Space Sign	1 1/2" = 1'-0"	4



BUILDING ENTRY SIGN (I.S.A) (TYPE A)	3" = 1'-0"	3

GENERAL NOTES - SIGNAGE

1. PROVIDE SIGNAGE THAT CONFORMS WITH CBC CHAPTER 10 & CFC TITLE 19 PROVISIONS.
2. SIGNS SHALL BE FABRICATED TO MATCH COLOR & MATERIALS OF (E) BUILDING SIGNAGE.

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VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
MOORPARK OXNARD VENTURA

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CONSULTANT

STAMPS/SEALS

LICENSED ARCHITECT JEAN ANN AMADOR C-32205 STATE OF CALIFORNIA

SHEET TITLE:

SIGNAGE DETAILS

PROJECT NO: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

A7.01

DATE: 01/27/2023 SHEET: ___ OF ___

TIME: 3:34 pm DATE: 25 January 2023 PATHNAME: G:\22\558\EL\Sheets DRAWING FILENAME: 22-558E100 DRAFTER: CM02

Drafter:CM02 Paper Size: 35.99996202,23.99929377
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Jan 25, 2023, 3:34pm
Attached XREFS:
XREF:G:\22\558\EL\Xrefs\22-558TB.dwg

GENERAL NOTES

A. GENERAL

1. SCOPE
THE DRAWINGS AND THESE GENERAL NOTES DESCRIBE THE SCOPE OF WORK AND SYSTEMS. THE MATERIAL REQUIRED FOR THE WORK SHALL BE CONTRACTOR FURNISHED AND CONTRACTOR INSTALLED, UNLESS SPECIFICALLY NOTED OTHERWISE. THE WORK INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING PRINCIPAL SYSTEMS AND EQUIPMENT. ALL ITEMS NOTED ON THE PLAN WHICH ARE NOT EXPLICITLY STATED AS EXISTING SHALL BE NEW.

2. PERMITS AND CHARGES
OBTAIN AND PAY FOR ALL NECESSARY CONSTRUCTION PERMITS, INSPECTION FEES, AND OTHER CHARGES BY AGENCIES HAVING JURISDICTION.

3. REGULATIONS AND CODES
PROVIDE AND INSTALL ALL MATERIALS IN CONFORMANCE WITH THE 2019 C.E.C., CALIFORNIA ADMINISTRATIVE CODE TITLE 8, AND OTHER CODES AND REGULATIONS HAVING JURISDICTION. INSTALL ALL EQUIPMENT IN ACCORDANCE WITH THE REQUIREMENTS OF THE INSPECTING AUTHORITY AND THE MANUFACTURERS RECOMMENDATIONS.

4. VERIFYING EXISTING CONDITIONS
BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS AT THE BUILDING. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER. BY THE ACT OF SUBMITTING A BID PROPOSAL FOR THE WORK, THE CONTRACTOR SHALL BE DEEMED TO HAVE MADE SUCH STUDY AND EXAMINATION AND TO ACCEPT ALL CONDITIONS PRESENT AT THE SITE. NO REQUEST FOR ADDITIONAL PAYMENT WILL BE CONSIDERED AS VALID, DUE TO FAILURE TO ALLOW FOR CONDITIONS WHICH MAY EXIST.

5. COORDINATION
COORDINATE ALL WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTION REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT. ELECTRICAL EQUIPMENT LOCATIONS INDICATED ARE SHOWN DIAGRAMMATICALLY, EXACT LOCATION SHALL BE VERIFIED. SCALING OFF OF DRAWINGS SHALL BE DONE AT CONTRACTORS RISK. DO NOT SCALE DEVICES, LIGHTING FIXTURES OR ANY EQUIPMENT FROM PLANS. LIGHTING FIXTURE QUANTITIES AND LENGTHS SHALL BE CONTRACTORS RESPONSIBILITY. FIXTURES ARE SHOWN FOR CIRCUITING ONLY. CONTRACTOR TO VERIFY SIZES & QUANTITIES PRIOR TO BID.

6. SERVICE CONTINUITY
UNINTERRUPTED EXISTING ELECTRICAL POWER SHALL BE MAINTAINED TO OTHER TRADES FOR TEMPORARY POWER AREAS OF THE SITE DURING CONSTRUCTION. PROVIDE ANY TEMPORARY SERVICES AS MAY BE REQUIRED. IDENTIFY AT BID TIME, ALL WORK TO BE DONE ON PREMIUM TIME AND THE TOTAL OVERTIME MAN-HOURS REQUIRED FOR COMPLETION.

7. AS BUILT
PROVIDE RECORD DRAWINGS IN ACAD TO THE OWNER WITH ALL CHANGES NOTED THEREON AT THE COMPLETION OF THE PROJECT. RECORD DRAWINGS SHALL BE SIGNED AND DATED BY CONTRACTOR PRIOR TO RELEASE OF FINAL RETENTION OF ALL MONIES.

8. GUARANTEE
CONTRACTOR SHALL UNCONDITIONALLY GUARANTEE ALL LABOR AND MATERIALS ON ALL WORK AGAINST DEFECTS IN WORKMANSHIP AND MATERIALS FOR A PERIOD OF ONE YEAR.

9. SHOP DRAWINGS
SUBMIT SHOP DRAWINGS AND MATERIAL LIST FOR REVIEW PRIOR TO COMMENCING ANY WORK. ALL EQUIPMENT TO BEAR U.L. LABEL OR THAT OF ANOTHER ACCEPTABLE TESTING LABORATORY. SHOP DRAWINGS MUST BE STAMPED BY THE CONTRACTOR FOR CONFORMANCE PRIOR TO SUBMITTAL. SUBMIT THREE HARD COPY SETS OF SHOP DRAWINGS FOR REVIEW PRIOR TO PURCHASING ALL BREAKER MOUNTING HARDWARE, DISCONNECT SWITCHES, FUSES, CONTROLLERS, LIGHTING FIXTURES, LIGHT SWITCHES, RECEPTACLES, ETC.

10. CONTRACTOR BID
CONTRACTOR'S BID SHALL BE BASED ON ALL WORK SHOWN ON THE PLANS AND AS SPECIFIED. IF CONTRACTOR PROPOSES TO SUBSTITUTE FOR EQUIPMENT SPECIFIED, HE SHALL SUBMIT HIS REQUEST FOR CONSIDERATION OF THE OWNER AND ENGINEER PRIOR TO BID IN WRITING. ALL SUBSTITUTIONS MUST BE REVIEWED BY THE ENGINEER IN WRITING. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR COMPLYING WITH THE REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS, AND THE CONTRACTOR SHALL BE RESPONSIBLE AT HIS OWN EXPENSE FOR ANY CHARGES RESULTING FROM HIS PROPOSED SUBSTITUTIONS WHICH AFFECT OTHER PARTS OF HIS OWN WORK, THE OWNER, ENGINEER OF RECORD OR THE WORK OF OTHER CONTRACTORS.

B. MATERIAL AND INSTALLATION
ALL WORK AND MATERIAL SHALL CONFORM TO THE LATEST RULES OF THE GOVERNING ELECTRICAL CODE AND INSTALLATION SHALL BE OF THE LATEST INDUSTRY STANDARDS OF WORKMANSHIP.

ALL INSTALLED MATERIALS AND EQUIPMENT SHALL BE LISTED U.L., NRTL OR LISTED AND APPROVED BY AN APPROVED TESTING LABORATORY.

1. CONDUITS
CONDUIT SHALL BE EMT, PVC, IMC, RIGID OR FLEXIBLE STEEL TYPE. CONDUIT SHALL BE MANUFACTURED IN ACCORDANCE WITH UL-1. A GROUND WIRE IS REQUIRED IN ALL FLEXIBLE CONDUIT AND UNDERGROUND CONDUIT. BUSHINGS SHALL BE INSTALLED ON ALL COMMUNICATION, TELEPHONE & SPEAKER CONDUITS. PROVIDE 3/16" NYLON PULL STRING IN ALL EMPTY CONDUITS. NO MC, BX OR AC90 SHALL BE PERMITTED. FLEXIBLE STEEL CONDUIT RUNS SHALL BE LIMITED TO A MAXIMUM LENGTH OF 6 FOOT. ALL CONNECTIONS SHALL BE COMPRESSION & NOT SCREW TYPE.

2. SWITCHES AND RECEPTACLES
PROVIDE 20AMP NEMA RATED SWITCHES AND RECEPTACLES OF SPECIFICATION GRADE. ALL SWITCHES SHALL BE RATED FOR 120 AND/OR 277 VOLT AND RECEPTACLES SHALL BE NEMA 5-20R. IN ALL OFFICES AND OFFICE AREAS DEVICES SHALL BE DECORA SERIES TYPE WITH COLOR SELECTION BY CONTRACTOR/OWNERS REPRESENTATIVE.

3. FEEDERS AND BRANCH CIRCUITS IDENTIFICATION
IDENTIFY FEEDERS WITH THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, LOAD END, AND IN PULL BOXES WITH E-Z CODE OR OTHER APPROVED WIRE MARKER. IDENTIFY BRANCH CIRCUITS WITH I.D. MARKERS, THE CORRESPONDING CIRCUIT DESIGNATION AT THE OVER-CURRENT DEVICE, AT ALL SPLICES, IN JUNCTION BOXES, AND IN OUTLETS. USE PLASTIC COATED SELF-STICKING MARKERS SUCH AS THOMAS & BETTS E-Z CODE FOR IDENTIFICATION OF CONDUCTORS. IDENTIFY SIGNAL & COMMUNICATION CABLES AT TERMINAL AND OUTLET UNIQUELY WITH PERMANENT LABELING.

4. CONDUCTORS
DELIVER ALL CONDUCTORS TO THE JOB SITE IN ORIGINAL UNBROKEN CARTON OR REEL, PROPERLY TAGGED WITH U.L. LABEL, SIZE, TYPE, MANUFACTURER, TRADE NAME AND THE DATE OF MANUFACTURE. (MUST BE MANUFACTURED WITHIN 6 MONTHS) PROVIDE COPPER CONDUCTORS #12 AWG MINIMUM UNLESS SPECIFICALLY NOTED OTHERWISE ON THE DRAWINGS. PROVIDE STRANDED COPPER CONDUCTORS FOR ALL WIRING. USE CONDUCTORS WITH 90°C THHN/THWN 600 VOLTS INSULATION, UNLESS OTHERWISE NOTED. CONDUCTOR SIZE NO.1 AWG AND SMALLER WITH 90 DEGREE C INSULATION ARE TO USE THE 60 DEGREE COLUMN OF THE CODE, TABLE 310-16, TO DETERMINE AMPACITY. CONDUCTORS #1/0 AWG AND LARGER WITH 75 DEGREE AND 90 DEGREE INSULATION ARE TO USE THE 75 DEGREE COLUMN OF CODE, TABLE 310-16, TO DETERMINE AMPACITY. (110.14C) WHERE THE NUMBER OF CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED PER TABLE 310.15(B)(3)(a).

5. LIGHTING FIXTURES
PROVIDE LIGHTING FIXTURES WITH ELECTRONIC DRIVERS PER SCHEDULE. NO SUBSTITUTIONS OF FIXTURES SHALL BE PROVIDED WITHOUT THE APPROVAL OF THE ENGINEER -OF-RECORD.

6. PANELBOARDS (BID SQUARE D; PROVIDE GE ALTERNATE BID)
DISTRIBUTION AND LIGHTING PANELBOARDS WITHIN PROJECT AREA SHALL BE OF THE COPPER BUS THREE PHASE, FOUR WIRE DISTRIBUTED PHASING TYPE. CIRCUITING SHALL BE ARRANGED TO PROVIDE, AS NEARLY AS POSSIBLE, AN EVENLY BALANCED LOAD ON ALL PHASES. PANELBOARDS SHALL BE BOLT-ON CIRCUIT BREAKER TYPE. AVAILABLE FAULT CURRENT IS STATED ON PANELBOARD SCHEDULE. PROVIDE PANEL IDENTIFICATION NAMEPLATE (ENGRAVED ON-ADHESIVE 1/2" MINIMUM LETTERS) AND TYPEWRITTEN LIST OF CIRCUITS IN THE DIRECTORY FRAME.

7. STRUCTURAL SUPPORT
EACH SECTION OF FLOOR MOUNTED SWITCHBOARD, DISTRIBUTION BOARD, MCC, ETC. SHALL BE BOLTED TO THE CONCRETE HOUSEKEEPING PAD USING (6) 3/4"-10 GRADE 2 BOLTS AND CONICAL WASHERS TORQUED TO 70LB-FT. PROVIDE MINIMUM 4000 PSI STRENGTH CONCRETE BELOW ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT. TIE THE TOP OF ALL FLOOR MOUNTED ELECTRICAL EQUIPMENT TO THE BUILDING STRUCTURE IN A SEISMICALLY APPROVED MANNER.

8. ELECTRICAL CERTIFICATION
"ELECTRICIANS" PERFORMING WORK ON THIS PROJECT SHALL BE CURRENTLY CERTIFIED IN ACCORDANCE WITH THE STATE OF CALIFORNIA AB931 AND THE DIVISION OF APPRENTISHIP STANDARDS SECTION 3099.

C. DEMOLITION
1. NOTIFY THE OWNER IMMEDIATELY WHEREVER EXISTING EQUIPMENT IS ENCOUNTERED WHICH MUST BE RELOCATED DUE TO THE NEW CONSTRUCTION, AND WHICH IS NOT INDICATED ON THE PLANS.
2. ALL REMOVED MATERIALS AND EQUIPMENT WHICH ARE SALVAGEABLE SHALL REMAIN THE PROPERTY OF THE OWNER. DELIVER SUCH SALVAGED MATERIALS AND EQUIPMENT ON THE PREMISES AS DIRECTED BY OWNER, AND NEATLY PILE OR STORE THEM AND PROTECT FROM DAMAGE. REMOVE FROM PREMISES AND DISPOSE OF ALL MATERIALS CONSIDERED BY THE OWNER TO BE SCRAP.
3. ALL DEVICES, CIRCUITS CONDUCTORS, FEEDERS ETC., WHEN NOTED TO BE REMOVED, SHALL BE REMOVED TO THE LAST ACTIVE DEVICE. ALL OVER-CURRENT PROTECTION AND DISCONNECT DEVICES NO LONGER UTILIZED BUT REMAINING AS LAST ACTIVE DEVICE SHALL BE LABELED AS 'SPARE'. COORDINATE ALL OUTAGES WITH OWNERS REPRESENTATIVE.
4. DISCONNECT AND MAKE SAFE ALL ELECTRICAL SYSTEMS ON SITE AND IN WALL, FLOORS, AND CEILINGS SCHEDULED FOR REMOVAL.
5. REMOVE, RELOCATE, AND EXTEND EXISTING INSTALLATIONS TO ACCOMMODATE NEW CONSTRUCTION.
6. REMOVE ABANDONED WIRING TO SOURCE OF SUPPLY AND RE-LABEL DEVICES AS SPARES.
7. REMOVE ABANDONED CONDUIT, INCLUDING ABANDONED CONDUIT ABOVE ACCESSIBLE CEILING FINISHES. CUT CONDUIT FLUSH WITH WALLS AND FLOOR, AND PATCH SURFACES.
8. DISCONNECT ABANDONED OUTLETS AND REMOVE DEVICES. REMOVE ABANDONED OUTLETS IF CONDUIT SERVICING THEM IS ABANDONED AND REMOVE. PROVIDE BLANK COVER FOR ABANDONED OUTLETS WHICH ARE NOT REMOVED.
9. DISCONNECT AND REMOVE ABANDONED LUMINAIRES. REMOVE BRACKETS, STEMS, HANGERS, AND OTHER
10. REPAIR ADJACENT CONSTRUCTION AND FINISHES DAMAGED DURING DEMOLITION AND EXTENSION WORK
11. MAINTAIN ACCESS TO EXISTING ELECTRICAL INSTALLATIONS WHICH REMAIN ACTIVE. MODIFY INSTALLATION OR PROVIDE ACCESS PANEL AS APPROPRIATE.
12. BEGINNING OF DEMOLITION MEANS CONTRACTOR ACCEPTS EXISTING CONDITIONS.

D. EXECUTION
1. CAREFULLY PROTECT ALL WALLS, TRIM, FLOORS, EQUIPMENT UTILITY LINES AND MATERIALS. WHEN WORKING ON FINISHED SURFACES, LIMIT DAMAGE TO THE CONFINES AS MUCH AS POSSIBLE AND RESTORE TO THE ORIGINAL CONDITION ALL SURFACES WHICH ARE DAMAGED BECAUSE OF THE INSTALLATION OF THIS WORK.
2. EQUIPMENT, MATERIALS AND SUPPLIES REMOVED FOR PROTECTION SHALL BE REPLACED IN ORIGINAL LOCATIONS. ANY MATERIALS DAMAGED SHALL BE REPLACED WITH NEW MATERIALS OF LIKE KIND AND QUALITY.
3. DO ALL DRILLING, CUTTING, CHANNELING AND PATCHING REQUIRED TO INSTALL ELECTRICAL WORK AS INDICATED OR HEREIN SPECIFIED. ALL HOLES, CURBS, ETC., IN FLOORS, CEILINGS AND WALLS SHALL BE PATCHED, UNLESS INDICATED OTHERWISE. PAINT ALL NEW ELECTRICAL RACEWAYS, CABINETS, ENCLOSURES AND FITTINGS PENETRATING INTO FIRE RATED ENVELOPES, SPACES, ETC.
3. ALL CONDUIT RUNS SHALL BE CONCEALED, UNLESS SHOWN OTHERWISE. PROVIDE A PULL WIRE IN ALL EMPTY CONDUITS.
4. EXISTING CONDITION SHOWN IS FROM AVAILABLE RECORD DRAWINGS AND VISUAL FIELD SURVEY AND SHOWN FOR REFERENCE ONLY. CONTRACTOR SHALL VERIFY ACTUAL EXISTING CONDITION AT SITE.
5. ALL WORK SHOWN IS NEW UNLESS SPECIALLY INDICATED AS EXISTING (X). ALL ELECTRICAL EQUIPMENT MOUNTING AND ANCHORAGE MUST CONFORM WITH LOCAL AND STATE SEISMIC CODES.

E. TELEPHONE SYSTEMS
PROVIDE RACEWAYS, AND ALL MATERIAL INCLUDING PULLING CABLE IN EACH RACEWAY AS REQUIRED FOR THE TELEPHONE SYSTEM PER THE TELEPHONE REQUIREMENTS. ALL CAT 6E CABLES SHALL BE TESTED & MEET CURRENT BICSI STANDARDS, A TEST REPORT SIGNED BY A RCCD SHALL BE PROVIDED WITH THE DOCUMENTATION.

F. GROUNDING & BONDING
FURNISH AND INSTALL COMPLETE BONDING AND GROUNDING SYSTEM AS REQUIRED BY CODES. CONTINUITY OF GROUNDING SHALL BE MAINTAINED MECHANICALLY AND ELECTRICALLY THROUGHOUT THE SYSTEM. A GREEN GROUNDING CODE SIZED CONDUCTOR SHALL BE CARRIED IN ALL CONDUITS.

G. INSTALLATION
1. IT IS THE INTENT OF THESE PLANS AND SPECIFICATIONS THAT A COMPLETE AND WORKABLE ELECTRICAL INSTALLATION BE PROVIDED FOR ALL THE EQUIPMENT DESCRIBED OR SHOWN AS BEING IN THIS CONTRACT. TOWARD THIS END FURNISH ALL LABOR AND TOOLS NECESSARY AND FURNISH AND INSTALL ALL APPARATUS, MATERIALS AND EQUIPMENT IN A FASHION COMPLYING WITH ALL APPLICABLE CODES, INCLUDING ITEMS REQUIRED BUT NOT NORMALLY SHOWN, SUCH AS LAMPS, COUPLINGS, HANGERS, BRACKETS, CLAMPS, BOXES, CONNECTORS AND HARDWARE. REFER ALSO TO WRITTEN SPECIFICATIONS FOR GENERAL, MECHANICAL AND ELECTRICAL SECTIONS.
2. PROCURE ALL PERMITS FROM LEGALLY CONSTITUTED AUTHORITIES, ARRANGE FOR ALL INSPECTIONS AND PAY ALL COSTS FOR FEES AND TESTS IN CONNECTION THEREWITH. COMPLY WITH CODES: NOTHING IN THESE PLANS AUTHORIZES DEVIATION FROM APPLICABLE CODES.
3. DETERMINE EXACT ROUTING OF CONCEALED FEEDERS AND BRANCH HOMERUNS IN COOPERATION WITH OTHER TRADES TO SIMPLIFY INSTALLATION WHEREVER POSSIBLE BUT SUBJECT TO APPROVAL OF ARCHITECT FOR VISUAL AND STRUCTURAL REASONS.
4. PROVIDE A CODE APPROVED DISCONNECT SWITCH OR BREAKER WITHIN SIGHT OF EVERY MOTOR AND FEED MOTORS NOT EQUIPPED WITH "BUILT IN" PROTECTION THROUGH A MAGNETIC OR MANUAL STARTER WITH OVERLOAD HEATERS SIZED TO COMPLY WITH MOTOR MANUFACTURER'S RECOMMENDATIONS AND APPLICABLE CODES.
5. FOR CONNECTIONS TO EXHAUST FANS, PUMPS, COMPRESSORS, SPACE HEATERS, WATER HEATERS, AQUASTATS, SOLENOID VALVES AND OTHER MECHANICAL EQUIPMENT AND FOR CONDUITS AND WIRE REQUIRED BUT NOT NECESSARILY SHOWN ON THESE DRAWINGS REFER TO MECHANICAL PLANS AND DETERMINE EXACT LOCATIONS UNDER DIRECTION OF HEATING AND VENTILATING CONTRACTOR.
6. DO NOT RUN ANY CONDUIT IN SLAB IF ITS OUTSIDE DIAMETER EXCEEDS 1/3 THE THICKNESS OF THE SLAB. LOCATE CONDUITS WITHIN THE MIDDLE OF THE SLAB. WHERE CONDUITS ARE GROUPED IN PARALLEL RUNS, SPACE THEM 3" OR MORE APART. WHERE CONDUITS CROSS EACH OTHER, THICKEN SLAB PROPORTIONATELY OVER A HORIZONTAL AREA EQUAL TO TEN TIMES THE DIAMETER OF THE LARGEST CONDUIT. REFER ALSO TO DETAILS SHOWN..
7. SIZE OUTLET BOXES IN CONFORMITY WITH CODE FOR NUMBER AND GAUGE OF CONDUCTORS THEREIN, EXCEPT WHERE NOTED TO BE LARGER. MINIMUM BOX SIZE SHALL BE 4" SQUARE BY 1-1/2" DEEP.
8. ALL ELECTRICAL WORK SHALL BE INSTALLED SO AS TO BE READILY ACCESSIBLE FOR OPERATING, SERVICING, MAINTAINING AND REPAIRING. ALL CONDUIT SHALL BE CONCEALED WHERE POSSIBLE. EXPOSED CONDUIT SHALL BE IN STRAIGHT LINES PARALLEL WITH, OR AT RIGHT ANGLES TO, COLUMN LINES OR BEAMS AND SEPARATED BY AT LEAST THREE (3) INCHES FROM WATER LINES WHENEVER THEY RUN LONG SIDE OR ACROSS SUCH LINES. CONDUIT SHALL NOT BE RUN BELOW CABLE TRAYS OR LIGHT FIXTURES WITHOUT SPECIFIC APPROVAL OF THE OWNERS REPRESENTATIVE. HANGERS SHALL BE FASTENED TO STEEL, CONCRETE OR MASONRY, BUT NOT TO PIPING. HANGERS AND SUPPORT SYSTEMS ARE AN INTEGRAL PART OF THE VISUAL ENVIRONMENT. ALL HANGERS AND SUPPORTS EXPOSED TO PUBLIC VIEW MUST BE SHOWN IN DETAIL ON PLANS SUBMITTED TO ENGINEER FOR APPROVAL OF APPEARANCE. ALL HANGERS MUST BE UNIFORMLY SPACED AND NEATLY INSTALLED WITH NO EXCESS MATERIAL BEYOND WHAT IS REQUIRED FOR THE SUPPORT FUNCTION. CONTRACTOR SHALL SELECT ACCESSORIES AND HARDWARE WITH A SMOOTH, NEAT FINISHED APPEARANCE AND PAINT ALL EXPOSED CONDUIT HANGERS TO MATCH THE ADJACENT FINISHES.
9. ALL RECEPTACLES SHALL BE MOUNTED AT 18" PER ADA REQUIREMENTS UNLESS NOTED OTHERWISE, MEASURED FROM BOTTOM OF BOX.
10. ALL DISTRIBUTION BOARDS, SWITCHBOARDS AND TRANSFORMERS THAT ARE FLOOR MOUNTED SHALL BE MOUNTED ON 2" THICK HOUSEKEEPING PAD. TRANSFORMER SHALL BE ON VIBRATION ISOLATION PADS AND CONNECTED WITH FLEXIBLE CONDUIT.
11. CONTRACTOR SHALL EXAMINE PLANS AND VERIFY IN FIELD LOCATIONS OF ALL FIRE RATED WALLS, CEILINGS AND FLOORS. CONTRACTOR SHALL SEAL ALL ELECTRICAL SYSTEM PENETRATIONS THROUGH FIRE RATED WALLS, CEILINGS AND FLOORS WITH U.L. LISTED MATERIAL APPROVED BY THE AUTHORITY HAVING JURISDICTION.
12. ALL SWITCHES SHALL BE MOUNTED 36" TO 48" MEASURED FROM BOTTOM & TOP OF BOX RESPECTIVELY.
13. PANEL CIRCUIT DIRECTORY SHALL COMPLY WITH CEC 408.4.
14. PROVIDE 90% COMPACTION OR SAND SLURRY OVER ALL UNDERGROUND CONDUITS, USE ONLY CLEAN FILL.

H. ADDITIONAL NOTES
1. MARKING - UNDERGROUND SYSTEM SHALL BE LEGIBLY MARKED "UNDERGROUND SYSTEM" AT THE SOURCE OR FIRST DISCONNECTING MEANS OF THE SYSTEM. THE MARKING SHALL BE OF SUFFICIENT DURABILITY TO WITHSTAND THE ENVIRONMENT INVOLVED. (250.21)(C)
2. PROVIDE SWITCH AND RECEPTACLE HEIGHTS PER STATE OF CALIFORNIA ACCESSIBLE REQUIREMENTS.
3. THE ISSUANCE OF A PERMIT SHALL NOT PREVENT THE BUILDING OFFICIAL FROM REQUIRING THE CORRECTION OF ERRORS ON THESE PLANS OR FROM PREVENTING ANY VIOLATION OF THE CODES ADOPTED BY THE CITY, RELEVANT LAWS, ORDINANCES, RULES AND/OR REGULATIONS.
4. FOR FIRE RATED WALL/CEILING PENETRATION AND/OR MEMBRANE PENETRATION, COMPLETE NRTL CLASSIFICATION SHEETS SHALL BE PROVIDED TO THE INSPECTOR AT THE TIME OF INSPECTION FOR THE LISTED RATED ASSEMBLY.
5. EACH MULTIWIRE BRANCH CIRCUIT SHALL BE PROVIDED WITH A MEANS THAT WILL SIMULTANEOUSLY DISCONNECT ALL UNGROUNDED CONDUCTORS AT THE PANELBOARD WHERE THE BRANCH CIRCUIT ORIGINATES. (210.4)
6. MULTIWIRE BRANCH CIRCUITS SUPPLYING POWER TO THE PARTITION SHALL BE PROVIDED WITH A MEAN TO DISCONNECT SIMULTANEOUSLY ALL UNGROUNDED CONDUCTORS AT THE PANELBOARD WHERE THE BRANCH CIRCUIT ORIGINATES. (605.7)
7. PROVIDE SEPARATE SUBMITTAL; OBTAIN ALL REQUIRED PERMITS, INSPECTIONS AND APPROVALS FOR ALL FIRE ALARM SYSTEM INSTALLATIONS AND/OR MODIFICATIONS FROM THE FIRE DEPARTMENT.
8. ALL NEW OVERCURRENT DEVICES INSTALLED IN EXISTING PANELS/SWITCHBOARDS SHALL MATCH THE MAKE, MODEL AND INTERRUPTING CAPACITY OF THE EXISTING OVERCURRENT DEVICES.
9. RACEWAY SEALS. CONDUITS OR RACEWAYS THROUGH WHICH MOISTURE MAY CONTACT LIVE PARTS SHALL BE SEALED OR PLUGGED AT EITHER OR BOTH ENDS.
10. ALL 15-20 AMP 120 VOLTS, SINGLE PHASE RECEPTACLES WITHIN KITCHEN AND FOOD PREPARATION AREAS TO BE GFCI PER NEC 210.8.
11. ALL LIGHT FIXTURES WITHIN KITCHEN AND FOOD PREPARATION AREAS TO BE SHATTER PROOF.
12. REFRIGERATION DETECTION - DETECTION AND ALARM SYSTEMS SHALL BE POWERED AND SUPERVISED AS REQUIRED FOR FIRE ALARM SYSTEMS IN THE FIRE CODE. (2016 CMC 1121.2)
13. PROVIDE LOCAL DISCONNECTS FOR ALL HARDWIRED EQUIPMENT THAT IS NOT "WITHIN SIGHT" OF THE SOURCE PANEL.
14. MULTIPLE RACEWAYS CONTAINING MORE THAN 3 CURRENT CARRYING CONDUCTORS SHALL COMPLY WITH [2016 CEC, 310.15(B)(2)(A)].
15. THE IDENTIFICATION OF EVERY CIRCUIT OF A PANEL BOARD AND SWITCHBOARD SHALL BE LEGIBLY IDENTIFIED AS TO ITS CLEAR, EVIDENT, AND SPECIFIC PURPOSE OR USE AND SHALL INCLUDE SUFFICIENT DETAIL TO ALLOW EACH CIRCUIT TO BE DISTINGUISHED FROM ALL OTHERS. 2016 C.E.C 408.4 - PROVIDE MORE DETAIL ON PANEL SCHEDULE CIRCUIT DESCRIPTIONS.
16. A SINGLE RECEPTACLE INSTALLED ON AN INDIVIDUAL BRANCH CIRCUIT SHALL HAVE AN AMPERE RATING OF NOT LESS THAN THAT OF THE BRANCH CIRCUIT. INDICATE THE RECEPTACLE RATING. (210.21(B)(1))
17. PROVIDE RECEPTACLE OUTLETS WHEREVER CORD CONNECTED EQUIPMENT WILL BE USED. (210.50(B))
18. WHERE THE DISCONNECTS ARE NOT PROVIDED WITHIN SIGHT FROM THE EQUIPMENT IT SUPPLIES, THE SWITCH OR CIRCUIT BREAKER MUST INCLUDE PROVISIONS FOR ADDING A LOCK, AND THESE PROVISIONS MUST REMAIN WITH THE EQUIPMENT. THESE LOCKING PROVISIONS HAVE TO BE PART OF THE EQUIPMENT, EITHER INHERENT TO THE EQUIPMENT DESIGN OR AS A ACCESSORY FEATURE THAT CAN BE INSTALLED ON THE EQUIPMENT. [410.141(B), 422.31(B), 424.19, 440.14 EXCEPTION NO. 1, 600.6(A)(2)(3), 620.51(A) EXCEPTION NO. 1, 620.53, 620.55]
19. STANDARD NON-LOCKING STRAIGHT-BLADE RECEPTACLES IN 120- AND 250-VOLT CONFIGURATION AT WET/DAMP LOCATION ARE REQUIRED TO BE LISTED WEATHER-RESISTANT TYPE. [CEC 406.8(A)].

I. FIRE ALARM SYSTEM (EXISTING)

SYMBOLS

- DUPLEX RECEPTACLE, WALL MOUNTED @ +18" AFF TO BOTTOM OF DEVICE, NEMA 5-20R U.O.N.
- BRANCH CIRCUIT PANELBOARD - 120/208VAC, 3Ø, 4W.
- 4'X8'X3/4" TELEPHONE BACKBOARD, MARINE PLYWOOD AND PAINTED WITH FIRE RESISTANT PAINT, PER OWNERS REPRESENTATIVE.
- CONDUIT RUN CONCEALED ABOVE CEILING OR IN WALLS,
- CONDUIT RUN CONCEALED BELOW FLOOR OR UNDERGROUND
- — 0-10 — LIGHTING CONTROL 0-10V (PURPLE GRAY)
- — COM — COM/LOW VOLTAGE CONDUITS
- — EM — EMERGENCY CIRCUIT
- — P — POWER CONDUIT & CONDUCTORS
- FLEXIBLE CONDUIT (WITH GROUND CONDUCTOR, PROVIDE LIQUID TIGHT CONDUIT IN ALL EXPOSED AREAS)
- HASH MARKS INDICATE QUANTITY OF #12 CONDUCTORS. NO HASH MARKS INDICATE (2)#12AWG. (PROVIDE GROUND CONDUCTOR IN ALL CONDUITS.)
- #10 — WHERE NO NUMBER IS INDICATED, THE CONDUCTORS ARE #12AWG(MIN.) CONDUIT SIZE IS AS REQUIRED BY ELECTRICAL CODE. (3/4" CONDUIT MINIMUM).
- 2LA 1-3-5,7 — INDICATES A HOMERUN TO PNL 2LA, CKTS 1-3-5 WITH SHARED NEUTRAL & CKT 7 WITH DEDICATED NEUTRAL.
- 3/4"C-2#12 & 1#12 GND
- 3/4"C-3#12 & 1#12 GND
- 3/4"C-4#12 & 1#12 GND
- 3/4"C-5#12 & 1#12 GND
- #10 3/4"C-2#10 & 1#10 GND
- #10 3/4"C-3#10 & 1#10 GND
- #10 3/4"C-4#10 & 1#10 GND
- #10 3/4"C-5#10 & 1#10 GND

1" CONDUIT MINIMUM IF UNDERGROUND (CONTRACTOR TO PROVIDE DEDICATED NEUTRALS FOR CIRCUITS WHICH DO NOT HAVE COMMON CIRCUIT HANDLE TIES ON BREAKERS FEEDING THE CIRCUITS)

- 1 SEE KEY NOTE #1 AS INDICATED ON DRAWING
- $ P SWITCH WITH PILOT LIGHT @ 42"AFF
- $ 3ab 3-WAY SWITCH, a & b INDICATES LIGHT FIXTURE TO BE SWITCHED (EACH A 3-WAY) MOUNTED @ 42" AFF
- $ SWITCH MOUNTED @ +42" AFF
- $ M MOTOR RATED SWITCH
- $ a,b,c,d — CIRCUIT SWITCH LEGS; WALL SWITCHES
- 60AS 35AF 3P — DISCONNECT SWITCH, 60AMP SWITCH, 35 AMP FUSE, 3 POLE W/ OVERCURRENT PROTECTION U.O.N.
- M — 100A UTILITY METER (OR AS NOTED)
- 3P 100AS 60AF — FUSED DISCONNECT SWITCH 100AMP SWITCH RATING WITH 60 AMP FUSES, 3 POLE
- 200AF 150AT 3P — MOLDED CASE CIRCUIT BREAKER 200 AMP FRAME, 150 AMP TRIP RATING, 3 POLE

COLOR CODE FOR CONDUCTORS

PROVIDE CONDUCTOR COLOR CODE AS FOLLOWS:
120/208VAC,3Ø,4W: BLUE,BLACK,RED FOR PHASE CONDUCTORS AND WHITE FOR NEUTRAL, GREEN FOR GROUND.
277/480VAC,3Ø,4W: ORANGE,BROWN,YELLOW FOR PHASE CONDUCTORS AND WHITE FOR NEUTRAL, GREEN FOR GROUND.

DERATING TABLE

NEC #310-8 ADJUSTMENT FACTORS

(a) MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE. WHERE THE NUMBER OF CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE EXCEEDS THREE, THE ALLOWABLE AMPACITIES SHALL BE REDUCED AS SHOWN IN THE FOLLOWING TABLE:

NUMBER OF CURRENT-CARRYING CONDUCTORS	PERCENT OF VALUES IN TABLES AS ADJUSTED FOR AMBIENT TEMPERATURE IF NECESSARY
4 THROUGH 6	80
7 THROUGH 9	70
10 THROUGH 20	50
21 THROUGH 30	45
31 THROUGH 40	40
41 AND ABOVE	35

WHERE SINGLE CONDUCTORS OR MULTICONDUCTOR CABLES ARE STACKED OR BUNDLED LONGER THAN 24 INCHES (610 mm) WITHOUT MAINTAINING SPACING AND ARE NOT INSTALLED IN RACEWAYS, THE ALLOWABLE AMPACITY OF EACH CONDUCTOR SHALL BE REDUCED AS SHOWN IN THE ABOVE TABLE.

EXCEPTION NO. 1: WHERE CONDUCTORS OF DIFFERENT SYSTEMS, AS PROVIDED IN SECTION 300-3, ARE INSTALLED IN A COMMON RACEWAY OR CABLE, THE DERATING FACTORS SHOWN ABOVE SHALL APPLY TO THE NUMBER OF POWER AND LIGHTING (ARTICLES 210, 215, 220, AND 230) CONDUCTORS ONLY.

EXCEPTION NO. 2: FOR CONDUCTORS INSTALLED IN CABLE TRAYS, THE PROVISIONS OF SECTION 318-11 SHALL APPLY.

EXCEPTION NO. 3: DERATING FACTORS SHALL NOT APPLY TO CONDUCTORS IN NIPPLES HAVING A LENGTH NOT EXCEEDING 24 INCHES (610mm).

EXCEPTION NO. 4: DERATING FACTORS SHALL NOT APPLY TO UNDERGROUND CONDUCTORS ENTERING OR LEAVING AN OUTDOOR TRENCH IF THOSE CONDUCTORS HAVE PHYSICAL PROTECTION IN THE FORM OF RIGID METAL CONDUIT, INTERMEDIATE METAL CONDUIT, OR RIGID NONMETALLIC CONDUIT HAVING A LENGTH NOT EXCEEDING 10 FEET (3.05m) ABOVE GRADE AND THE NUMBER OF CONDUCTORS DOES NOT EXCEED FOUR.

EXCEPTION NO. 5: FOR OTHER LOADING CONDITIONS, ADJUSTMENT FACTORS AND AMPACITIES SHALL BE PERMITTED TO BE CALCULATED UNDER SECTION 310-15(b)

(FNC): SEE APPENDIX B, TABLE B-310-11 FOR ADJUSTMENT FACTORS FOR MORE THAN THREE CURRENT-CARRYING CONDUCTORS IN A RACEWAY OR CABLE WITH LOAD DIVERSITY.

(b) MORE THAN ONE CONDUIT, TUBE, OR RACEWAY. SPACING BETWEEN CONDUITS, TUBING, OR RACEWAYS SHALL BE MAINTAINED.

MEP ANCHORAGE NOTES

MEP COMPONENT ANCHORAGE NOTE

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

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

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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

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

MP□ MD□ PP□ E☒ OPTION 1 DETAILED ON APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP□ MD□ PP□ E□ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSPHD PRE-APPROVAL (OPM#)

LIST OF DRAWINGS

SHEET	DESCRIPTION	SHEET	DESCRIPTION
E100	GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST	E600	ELECTRICAL DETAILS
E101	OUTDOOR TITLE 24 PAGE 1	E601	ELECTRICAL DETAILS
E102	OUTDOOR TITLE 24 PAGE 2		
E110	OVERALL SITE KEY PLAN		
E130	PARTIAL SITE LIGHTING PLAN - DEMO		
E140	PARTIAL SITE LIGHTING PLAN - NEW WORK		
E200	ELECTRICAL PANEL SCHEDULE, SINGLE LINE AND ELECTRICAL ROOM DETAIL		
E300A	ELECTRICAL CUT SHEETS		
E300B	ELECTRICAL CUT SHEETS		
E301	PARTIAL SITE PHOTOMETRIC PLAN		
E500	EXISTING FIRE ALARM PLAN		

SCOPE OF WORK

PROVIDE NEW EXTERIOR LIGHTING FOR CAMPUS PLAZA UPGRADES

APPLICABLE CODES

LIST OF 2019 CALIFORNIA CODE OF REGULATIONS (C.C.R.):
APPLICABLE CODES AS OF JANUARY 1, 2020

PART 1- 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R.

PART 2- 2019 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS)

PART 3- 2019 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE OF THE NATIONAL FIRE PROTECTION ASSOCIATION, NFPA)

PART 4- 2019 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

PART 5- 2019 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO)

PART 6- 2019 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R.

PART 7- CURRENTLY VACANT

PART 8- 2019 CALIFORNIA HISTORICAL BUILDING CODE, TITLE 24 C.C.R.

PART 9- 2019 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL)

PART 10- 2019 CALIFORNIA EXISTING BUILDING CODE (2018 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS)

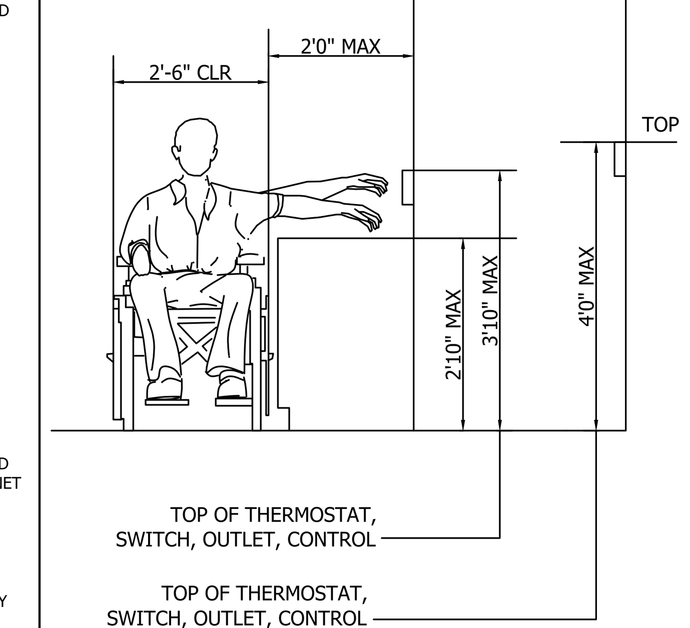
PART 11- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R.

PART 12- 2019 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R.

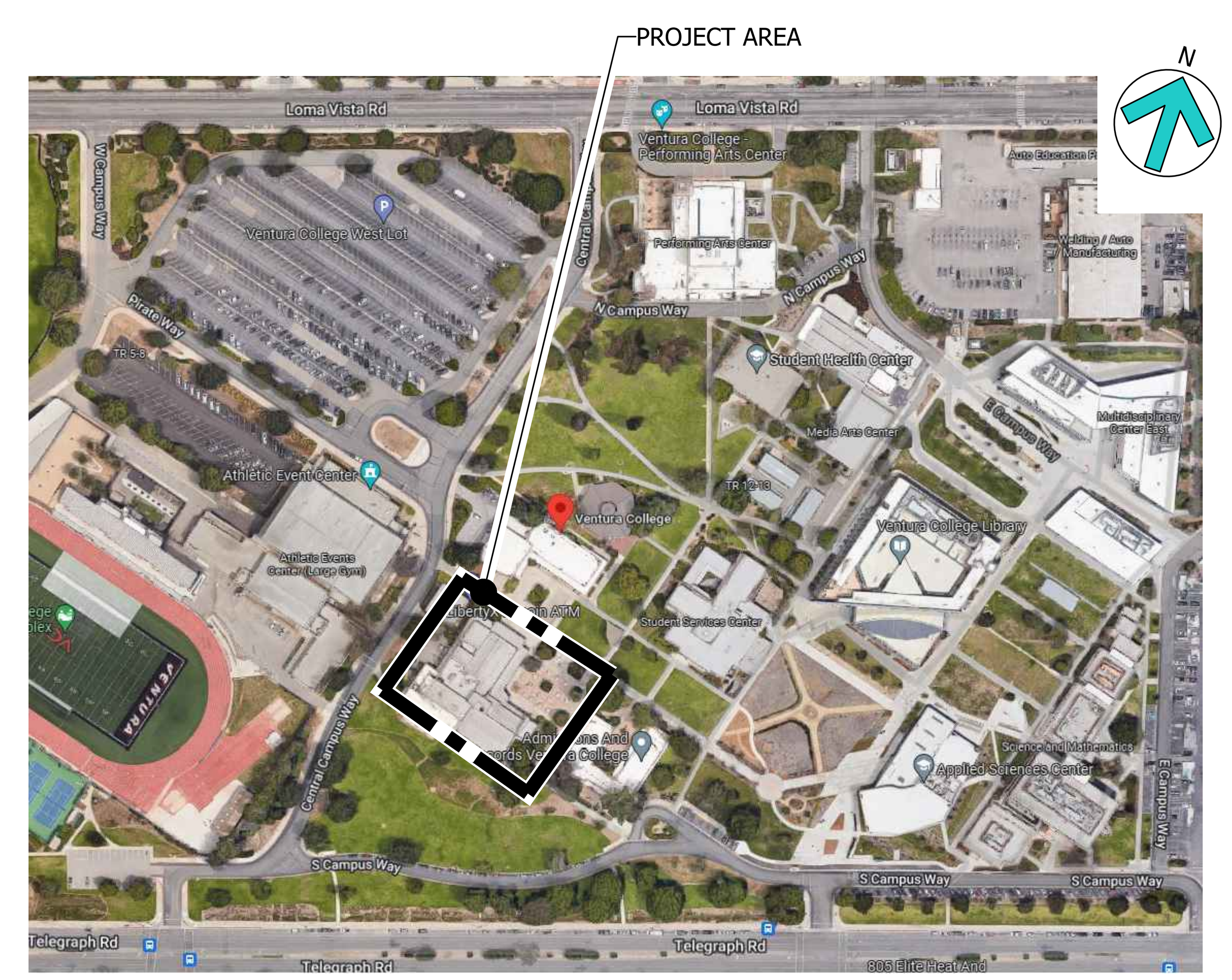
ABBREVIATIONS

A	AMPERES	LCL	LONG CONTINUOUS LOAD
AF	AMP FRAME/AMP FUSE	LV	LOW VOLTAGE
AFC	AVAILABLE FAULT CURRENT	M	METER
AFF	ABOVE FINISHED FLOOR	MC	METAL CLAD
AIC	AMP INTERRUPTING CURRENT	MDF	MAIN DISTRIBUTION FRAME
ARCH	ARCHITECT	MIN.	MINIMUM
AS	AMP SWITCH	MTD	MOUNTED
ASTM	AMERICAN SOCIETY OF TESTING MATERIAL(S)	MTB	MAIN TELEPHONE BACKBOARD
		MTG	MOUNTING
AT	AMP TRIP	MV	MEDIUM VOLTAGE
ATS	AUTOMATIC TRANSFER SWITCH	MH	MAN HOLE
AWG	AMERICAN WIRE GAGE	MFG	MANUFACTURER
BKBD	BACKBOARD	NEC	NATIONAL ELECTRICAL CODE
C	CONDUIT OR CEILING	(N)	NEW
CB	CIRCUIT BREAKER	NIC	NOT IN CONTRACT
CONT	CONTINUATION	NL	NIGHT LIGHT
CKT	CIRCUIT	NO	NORMALLY OPEN
CLG	CEILING	NC	NORMALLY CLOSED
CO	CONDUIT ONLY	OH	OVERHEAD
CTV	CABLE TELEVISION	P	POWER OR POLE
(CU)	COPPER	PBO	PROVIDED BY OTHERS
CW	COLD WATER PIPE	PNL	PANEL
DIS	DISCONNECT	PV	PHOTO VOLTAIC
DS	DISCONNECT SWITCH	(R)	REMOVED
DWG	DRAWING	RGS	RIGID GALVANIZED STEEL CONDUIT
ECD	ELECTRICAL CONTRACTOR		
EM	EMERGENCY LIGHT/FEEDER	RM	ROOM
EMT	ELECTRICAL METAL TUBING	SN	SYSTEM NEUTRAL
EOR	ENGINEER OF RECORD	SPD	SURGE PROTECTION DEVICE
EPR	ETHYLENE PROPYLENE RUBBER	TC	TIME CLOCKS
EVCS	ELECTRIC VEHICLE CHARGING STATION	TTB	TELEPHONE TERMINAL BOARD
		TTC	TELEPHONE TERMINAL CABINET
(F)	FRONT	TR	TRANSFORMER
FA	FIRE ALARM	TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSOR
FS	SHALLOW FLOOR BOX		
FT	FEET	TYP	TYPICAL
GC	GENERAL CONTRACTOR	UG	UNDERGROUND
GFI	GROUND FAULT INTERRUPTER	UL	UNDERWRITERS LABORATORY
GND	GROUND	UON	UNLESS OTHERWISE NOTED
HP	HORSEPOWER	UNSW	UNSWITCHED
ID	IDENTIFICATION	V	VOLTS/VOLTAGE
IDF	INTERMEDIATE DISTRIBUTION FRAME	VA	VOLT AMPS
		VD	VOLTAGE DROP
IG	ISOLATED GROUND	W	WATTS/WATTAGE OR WIRE
JB	JUNCTION BOX	WP	WEATHERPROOF
K	KILO	W/	WITH
KVA	KILO VOLT AMPS=1000VA	(X)	EXISTING
LC	LIGHTING CONTACTOR	ϕ	PHASE

MOUNTING HEIGHT OVER OBSTRUCTION



SITE/AREA MAP



DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT • MOORPARK OXNARD VENTURA •

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College 4667 Telegraph Road Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADÒR
amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
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(805) 389-6520 FAX (805) 389-6519

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8540 Exp. 09/30/2024 ELECTRICAL STATE OF CALIFORNIA

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 APRIL 30, 2023 STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer		
DRAWN: L.K./D.S.	CHECKED: K.L.		

SHEET NUMBER:
E100

DATE: 01-27-2023 SHEET: ____ OF ____

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L.A.I.# 22-558 PAPER SIZE 36"x24"

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: CDC - INSTALLATION (1) PC-MODULAR BUILDING	Report Page:	Page 5 of 6
Project Address: 4667 TELEGRAPH RD. VENTURA, CA. 93003	Date Prepared:	11-28-22

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls area added to ≤ 20 luminaires.	☐	☐

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
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Project Address: 4667 TELEGRAPH RD. VENTURA, CA. 93003	Date Prepared:	11-28-22

G. CUTOFF REQUIREMENTS (BUG)

This Section Does Not Apply

H. OUTDOOR LIGHTING CONTROLS

Table Instructions: Complete this table demonstrating compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank. For each requirement in columns 02 through 04, do not leave the field blank, instead select NA or Exempt* from the dropdown list to indicate not applicable or an exemption.*

Mandatory Controls

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector Pass	Field Inspector Fail
parking lot area	Photocontrol	Yes	Yes	☐	☐

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Not permitted by health & safety to be turned off; EXCEPTION 1 to §130.2(c).

I. LIGHTING POWER ALLOWANCE (per §140.7)

Table Instructions: Please complete this table for areas using the allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lost it" Allowances are per Table 140.7-B. Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

	01				
		"Use it or lose it" Allowances (select all that apply)			
☑ General Hardscape Allowance	☐ Per Application	☐ Sales Frontage	☐ Ornamental	☐ Per Specific Area	
Table I (below)	Table J	Table K	Table L	Table M	

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02	03	04	05	06	07	08	09	10
Area Description	Surface Type	Area Wattage Allowance (AWA) Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Linear Wattage Allowance (LWA) Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	Total General AWA + LWA (Watts)
parking lot area	Asphalt	99,200	0.025	2,480	2,560	0.25	640	3,120

Table Continued

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: CDC - INSTALLATION (1) PC-MODULAR BUILDING	Report Page:	Page 1 of 6
Project Address: 4667 TELEGRAPH RD. VENTURA, CA. 93003	Date Prepared:	11-28-22

This document is used to demonstrate compliance with requirements in §110.9, §130.0, §130.2, §140.7, and §141.0(b)2L for outdoor lighting scopes using the prescriptive path.

A. GENERAL INFORMATION

01	Project Location (city)	Oxnard	04	Total Illuminated Hardscape Area (ft²)	99,200
02	Climate Zone				
03	Outdoor Lighting Zone per Title 24, Part 1 §10-114 or as designated by Authority Having Jurisdiction (AHJ):				
☐ LZ-0: Very Low - Undeveloped Parkland		☐ LZ-2: Moderate - Rural Areas		☐ LZ-4: High - Must be reviewed by CA Energy Commission for Approval	
☐ LZ-1: Low - Developed Parkland		☑ LZ-3: Moderately High - Urban Areas			

B. PROJECT SCOPE

Table Instructions: Include any outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2L for alterations.

My project consists of:

01	02	
☐ New Lighting System	Must Comply with Allowances from §140.7.	
☑ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ◉ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ ≥ 10% and < 50% ☑ ≥ 50%	18	Calculated Allowance per §140.7

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100*

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Calculation of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L												Compliance Results		
01		02		03		04		05	OR	06	=	07	08	09
General Hardscape Allowance §140.7(d)1	+	Per Application §140.7(d)2	+	Sales Frontage §140.7(d)2	+	Ornamental §140.7(d)2	+	Per Specific Area §140.7(d)2	OR	Existing Power §141.0(b)2L	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 Must be ≥ 08**
(See Table I)		(See Table J)		(See Table K)		(See Table L)		(See Table M)		(See Table N)				(See Table F)	
3,120	+		+		+		+		OR		=	3,120	≥	1,470	**COMPLIES**
Cutoff Compliance (See Table G for Details)												**Not Applicable**			
Controls Compliance (See Table H for Details)												**COMPLIES**			

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: CDC - INSTALLATION (1) PC-MODULAR BUILDING	Report Page:	Page 2 of 6
Project Address: 4667 TELEGRAPH RD. VENTURA, CA. 93003	Date Prepared:	11-28-22

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:	KEN LUCCI	Documentation Author Signature:	
Company:	LUCCI & ASOOCIATES	Signature Date:	11-28-2022
Address:	3251 CORTE MALPASO, SUITE 511	CEA/ HERS Certification Identification (if applicable):	
City/State/Zip:	CAMARILLO, CA., 93012	Phone:	805 389-6520

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. **The information provided on this Certificate of Compliance is true and correct.**
2. **I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)**
3. **The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.**
4. **The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.**
5. **I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.**

Responsible Designer Name:	KEN LUCCI	Responsible Designer Signature:	
Company :	LUCCI & ASOOCIATES	Date Signed:	11-28-2022
Address:	3251 CORTE MALPASO, SUITE 511	License:	19340
City/State/Zip:	CAMARILLO, CA., 93012	Phone:	805 389-6520

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
Project Name: CDC - INSTALLATION (1) PC-MODULAR BUILDING	Report Page:	Page 4 of 6
Project Address: 4667 TELEGRAPH RD. VENTURA, CA. 93003	Date Prepared:	11-28-22

								0
								0
							Initial Wattage Allowance for Entire Site (Watts):	
							Total General Hardscape Allowance (Watts):	**3,120**

J. LIGHTING ALLOWANCE: PER APPLICATION

This Section Does Not Apply

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This Section Does Not Apply

L. LIGHTING ALLOWANCE: ORNAMENTAL

This Section Does Not Apply

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This Section Does Not Apply

N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This Section Does Not Apply

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

YES	NO	Form/Title	Field Inspector Pass	Field Inspector Fail
◉	○	NRCI-LTO-01-E - Must be submitted for all buildings.	☐	☐
◉	○	NRCI-LTO-02-E - Must be submitted for a lighting control system; or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E (Created 11/19) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE		NRCC-LTO-E
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Project Address: 4667 TELEGRAPH RD. VENTURA, CA. 93003	Date Prepared:	11-28-22

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. OUTDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: For new or altered lighting systems demonstrating compliance with §140.7 (ie Table I has expanded for input), include all luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2L (ie Table N has expanded for input), include only new luminaires being installed and replacement luminaires being installed as part of the project scope (ie, do not include existing luminaires remaining or existing luminaires being moved).

Designed Wattage:

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Watts per luminaire[1,2]	How Wattage is determined	Total number luminaires[2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. ≥ 6,200 initial lumen output §130.2(b)[4]	Field Inspector Pass	Field Inspector Fail
SA	Pole mounted single ☐ Linear	70	Mfr. Spec[5]	15	Exist. Reinstalled	☐	1,050		☐	☐
SB	pole mounted dual ☐ Linear	140	Mfr. Spec[5]	3	Exist. Reinstalled	☐	420		☐	☐
					Total Designed Watts:		**1,470**			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b).

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet for the luminaire should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope*
[4] *Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output ≥ 6,200 unless exempted by §130.2(b).*

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA
A#03-122792

Ventura Community College 4667 Telegraph Road Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR
amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 9430 Exp. 09/30/2024 ELECTRICAL STATE OF CALIFORNIA

LICENSED ARCHITECT SEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

OUTDOOR TITLE 24 PAGE 1

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: L.K./D.S.	CHECKED: K.L.
SHEET NUMBER: **E101**	
DATE: 01-27-2023	SHEET: ____ OF ____

Copyright Lucci and Associates Consulting Electrical Engineers. Deviations from this drawing will not be made without their expressed written permission. L.A.I.# 22-558 PAPER SIZE 36"x24"

TIME: 3:35 pm DATE: 25 January 2023 PATHNAME: G:\22\558\EL\Sheets DRAWING FILENAME: 22-558E101 DRAFTER: CM02
Drafter:CM02 Paper Size: 36.999988LX24.000000SI Drawing:G:\22\558\EL\Sheets\22-558E101.dwg Date & Time Plotted: 1/27/2023 3:35:12 PM Attached XREFS: ANSI-D-Title Block.dwg (G:\22\558\EL\Xref\22-558TB.dwg

DRAFTER: CM02 DRAWING FILENAME: 22-558E102 PATHNAME: G:\22\558\EL\Sheets DATE: 25 January 2023 TIME: 3:35 pm

Drafter:CM02 Plant Size: 30.00000183,24.00000003
Drawing:G:\22\558\EL\Sheets\22-558E102.dwg
Date:25 January 2023 Time:3:35 pm
Attached XREFs:
Attached Images:G:\22\558\EL\Sheets\22-558TB.dwg

CERTIFICATION SHEET TO BE FILLED OUT BY INSTALLER

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCI-LTO-01-E (Revised 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF INSTALLATION		NRCI-LT0-01-E
Outdoor Lighting		(Page 1 of 2)
Project Name: ?	Enforcement Agency:	Permit Number:
Project Address: ?	City: ?	Zip Code: ?

GENERAL INFORMATION

DATE OF BUILDING PERMIT:	PERMIT #:
BUILDING TYPE	☐ Nonresidential Outdoor Lighting
PHASE OF CONSTRUCTION	☐ New Construction ☐ Addition ☐ Alteration

If more than one person has responsibility for building construction, each person shall prepare and sign an Installation Certificate document applicable to the portion of construction for which they are responsible; alternatively, the person with chief responsibility for construction shall prepare and sign the Installation Certificate document(s) for the entire construction.

SCOPE OF RESPONSIBILITY

Enter the date of approval by enforcement agency of the Certificate of Compliance that provides the specifications for the energy efficiency measures for the scope of responsibility for this Installation Certificate.	Date: ?

In the table below, identify all construction documents that show that the outdoor lighting and controls were installed as it was proposed in the Certificates of Compliance.

Document Title or Description	Applicable Sheets or Pages, Tables, Schedules, etc.	Date Approved By the Enforcement Agency

STATE OF CALIFORNIA
OUTDOOR LIGHTING
CEC-NRCI-LTO-01-E (Revised 01/20) CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF INSTALLATION		NRCI-LT0-01-E
Outdoor Lighting		(Page 2 of 2)
Project Name:	Enforcement Agency:	Permit Number:
Project Address:	City:	Zip Code:

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

1. I certify that this Certificate of Installation documentation is accurate and complete.

Documentation Author Name:	Documentation Author Signature:
Documentation Author Company Name:	Date Signed:
Address:	CEA Certification Identification (If applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Installation is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code in the applicable classification to accept responsibility for the system design, construction, or installation of features, materials, components, or manufactured devices for the scope of work identified on this Certificate of Installation and attest to the declarations in this statement (responsible builder/installer), otherwise I am an authorized representative of the responsible builder/installer.
3. The constructed or installed features, materials, components or manufactured devices (the installation) identified on this Certificate of Installation conforms to all applicable codes and regulations, and the installation conforms to the requirements given on the plans and specifications approved by the enforcement agency.
4. I reviewed a copy of the Certificate of Compliance approved by the enforcement agency that identifies the specific requirements for the scope of construction or installation identified on this Certificate of Installation, and I have ensured that the requirements that apply to the construction or installation have been met.
5. I will ensure that a completed signed copy of this Certificate of Installation shall be posted, or made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Installation is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Builder/Installer Name:	Responsible Builder/Installer Signature:	
Company Name: (Installing Subcontractor or General Contractor or Builder/Owner)	Position With Company (Title):	
Address:	CSLB License:	
City/State/Zip:	Phone:	Date Signed:

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
MOORPARK • OXNARD • VENTURA

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College 4667 Telegraph Road Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E-9330 Exp. 09/30/2024 ELECTRICAL STATE OF CALIFORNIA

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

OUTDOOR TITLE 24 PAGE 2

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: L.K./D.S.	CHECKED: K.L.

SHEET NUMBER:

E102

DATE: 01-27-2023 SHEET: ____ OF ____

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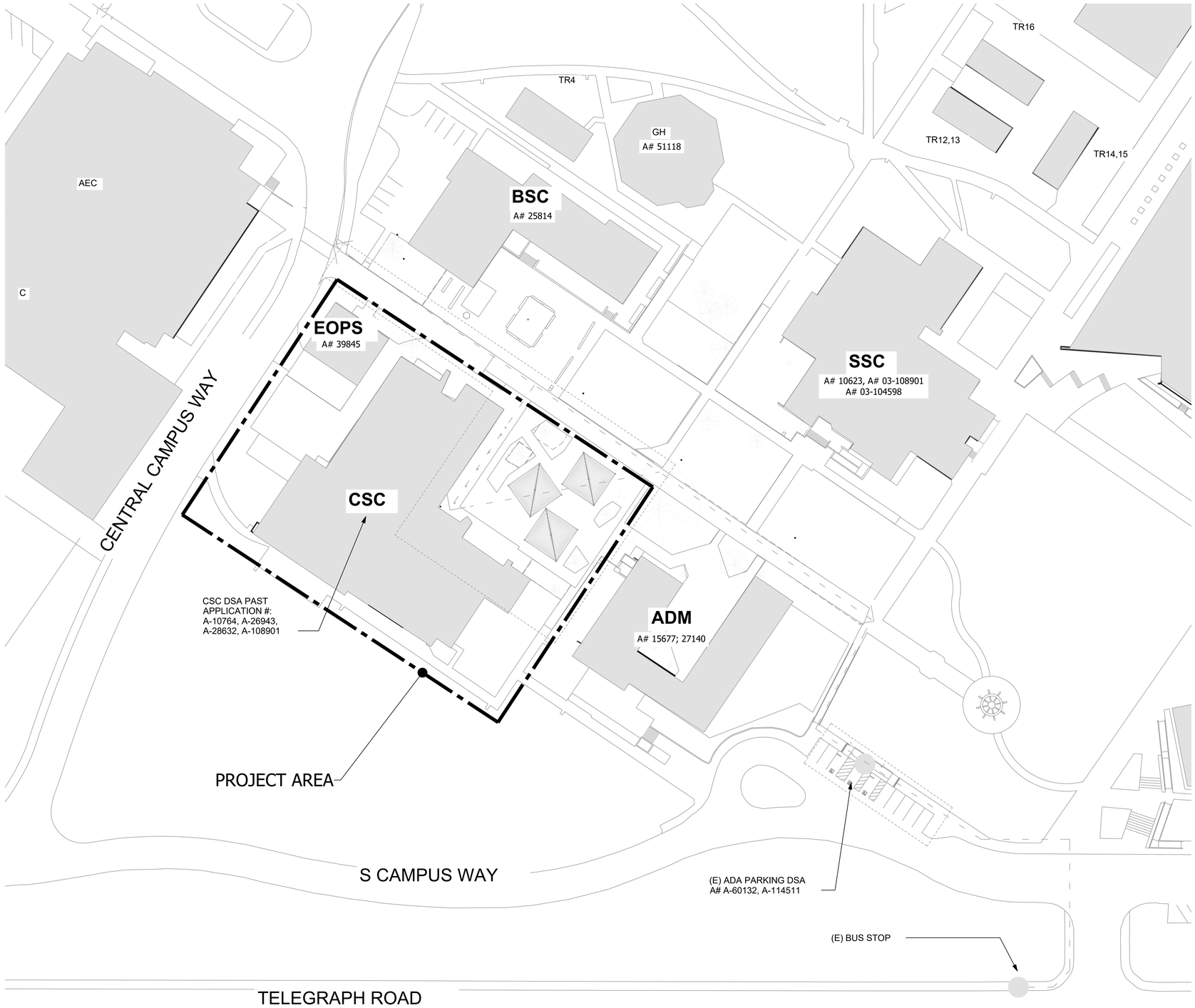

SCALE: 1"=40'
0 40 80

OVERALL SITE KEY PLAN

SCALE: 1"=40'-0"

1 / E110

N

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A#03-122792

Ventura Community College 4667 Telegraph Road Ventura, CA 93003

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STAMPS/SEALS

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LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

OVERALL SITE KEY PLAN

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: Designer
DRAWN: L.K./D.S.	CHECKED: K.L.

SHEET NUMBER:

E110

DATE: 01-27-2023 SHEET: ____ OF ____

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Drawing:G:\22\558\EL\Sheets\22-558E130.dwg
Plotted:NOV 28, 2022 - 4:21 PM
Attached XREFS:G:\22\558\EL\Xrefs\22-558FS.dwg
XREFS:G:\22\558\AR\Xrefs\A0-00.dwg

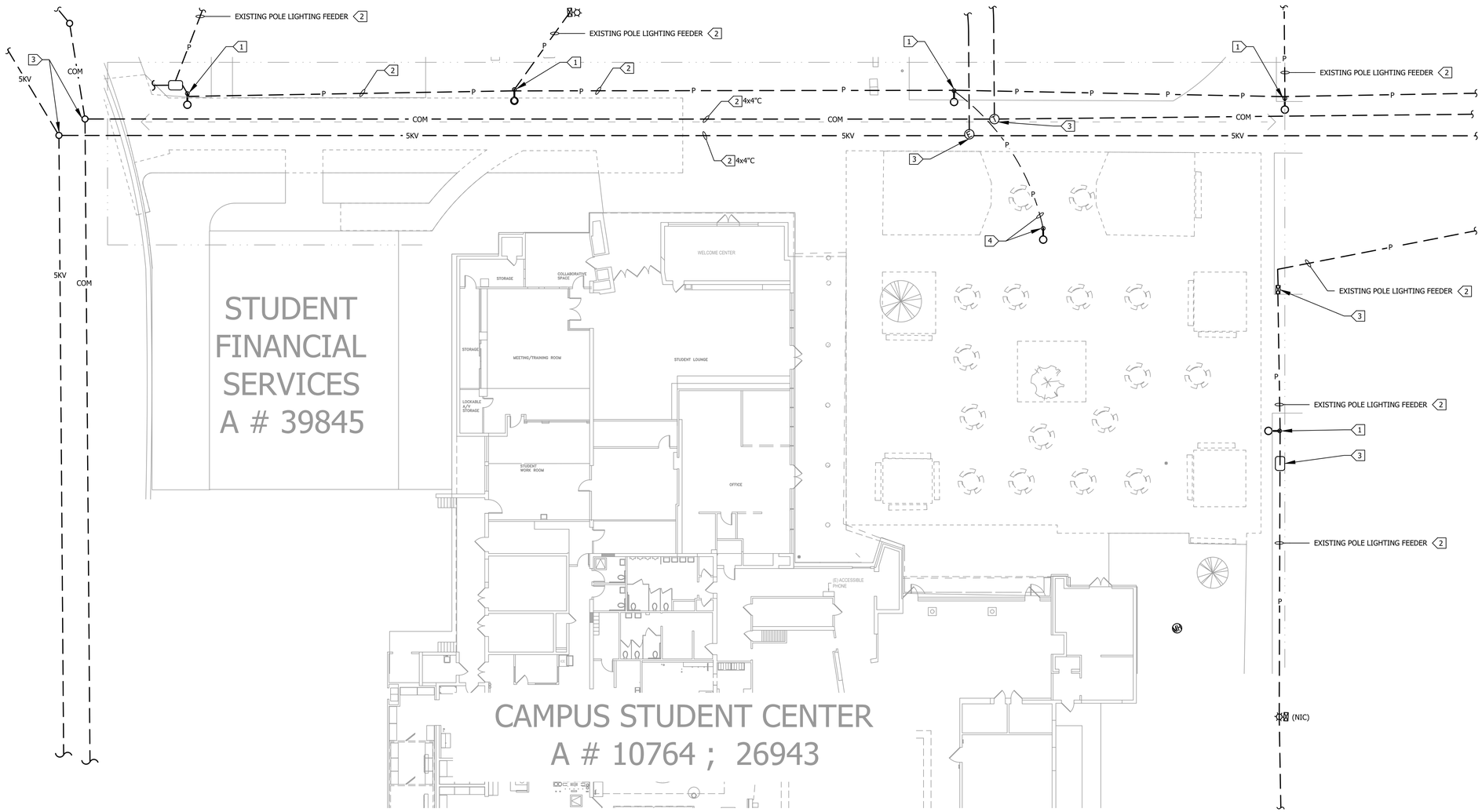
Drafter: CM01: G:\22\558\EL\Sheets\22-558E130.dwg: DATE: NOV 28, 2022 TIME: 4:21 PM

SHEET NOTES:

1. VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES ON ARCHITECTURAL AND CIVIL PLANS.
2. CONTRACTOR SHALL VERIFY LOCATION AND REQUIREMENTS OF ALL ELECTRICAL DEVICES PRIOR TO BID. ROUGH-IN AND INSTALLATION.
3. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UNDERGROUND UTILITY SYSTEMS IN PLACE. CONTRACTOR SHALL REPAIR ANY UTILITY SYSTEM DAMAGED DURING CONSTRUCTION.
4. VERIFY LOCATION OF ALL EQUIPMENT AND DEVICES ON ARCHITECTURAL AND CIVIL PLANS.
5. MINIMUM CONDUIT BURIAL DEPTH IS 24".
6. CONTRACTOR TO PROVIDE GROUND CONDUCTORS IN ALL CONDUITS.
7. 1" CONDUIT MINIMUM UNDERGROUND.
8. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
9. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.

KEY NOTES:

1. EXISTING POLE LIGHT, PROTECT IN PLACE.
2. EXISTING FEEDER/CONDUIT/DUCT BANK, PROTECT IN PLACE.
3. EXISTING MANHOLE/PULLBOX, PROTECT IN PLACE.
4. EXISTING POLE LIGHT TO BE RELOCATED PER E140, DEMO EXISTING FEEDER & MAKE SAFE, EXTEND TO NEW POLE PER E140.



SCALE: 1"=15'

0 15 30

PARTIAL SITE LIGHTING PLAN - DEMOLITION

SCALE: 1"=15'-0"

1 / E130

N

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DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA
A#03-122792

Ventura Community College 4667 Telegraph Road Ventura, CA 93003

COMMISSIONED ARCHITECT

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 9330 Exp. 09/30/2024 ELECTRICAL STATE OF CALIFORNIA

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

PARTIAL SITE LIGHTING PLAN - DEMOLITION

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	L.K./D.S.	CHECKED:	K.L.

SHEET NUMBER:

E130

DATE: 01-27-2023 SHEET: ____ OF ____

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DRAFTER: CM02 DRAWING FILENAME: 22-558E130 PATHNAME: G:\22\558\EL\Sheets DATE: 25 January 2023 TIME: 3:35 pm

Drafter: CM01 Paper Size: 12.0
Drawing: G:\22\558\EL\Sheets\22-558E130.dwg
Plotted: NOV 29, 2022 - 1:55 PM
Attached XREFS:
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XREF:G:\22\558\EL\Xrefs\22-558E1.dwg
XREF: G:\22\558\EL\Xrefs\22-558E2.dwg
XREF: G:\22\558\EL\Xrefs\HW1-8400.dwg

Drafter: CM01: G:\22\558\EL\Sheets\22-558E130.dwg; DATE: NOV 29, 2022 TIME: 1:55 PM

DRAFTER: CM02 DRAWING FILENAME: 22-558E140 PATHNAME: G:\22\558\EL\Sheets DATE: 25 January 2023 TIME: 3:35 pm

SHEET NOTES:

1. VERIFY LOCATION OF ALL BUILDINGS AND APPENDITURES ON ARCHITECTURAL AND CIVIL PLANS.
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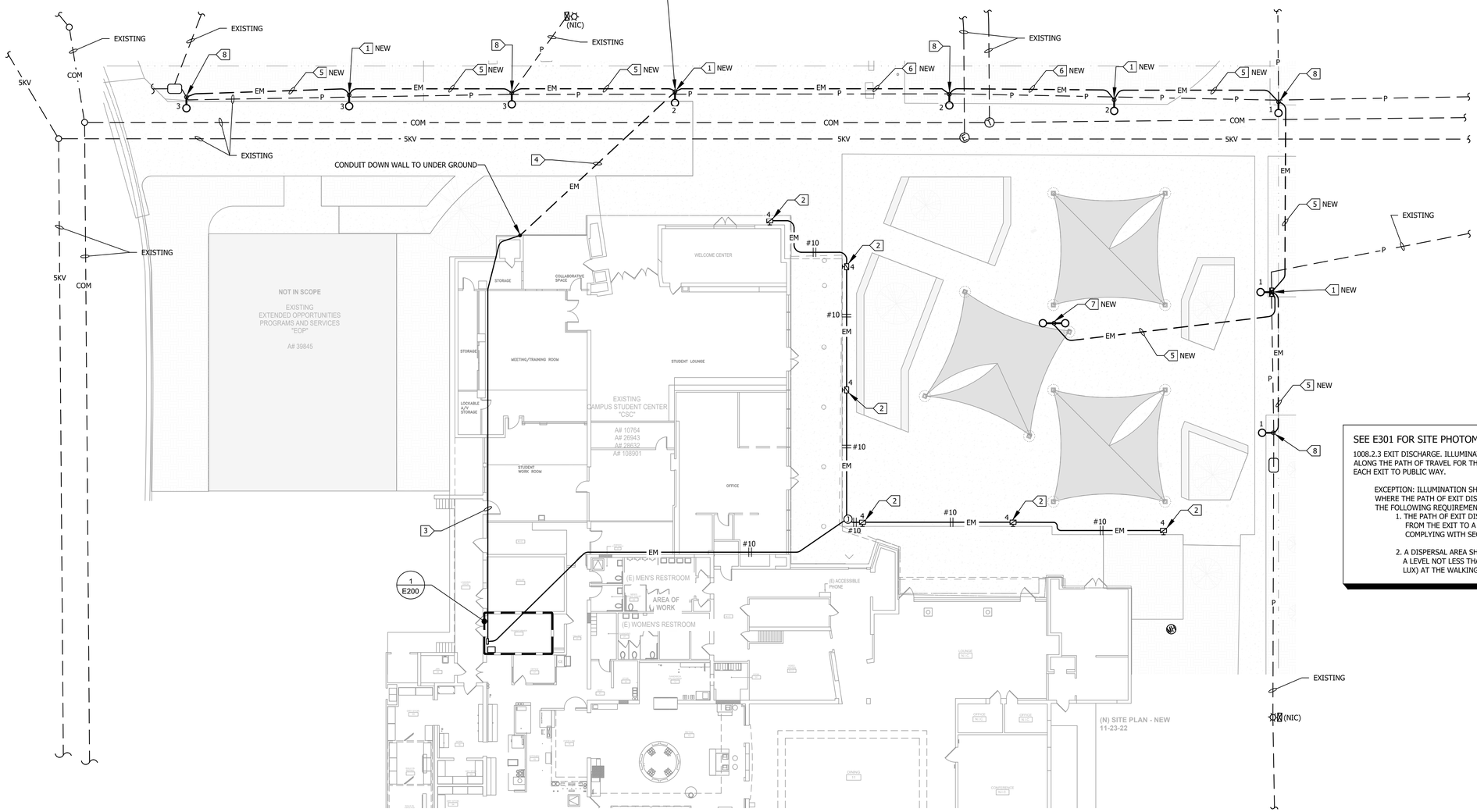
3. CONTRACTOR SHALL FIELD VERIFY LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO ANY TRENCHING. CONTRACTOR SHALL PROTECT ALL EXISTING/REMAINING UNDERGROUND UTILITY SYSTEMS IN PLACE. CONTRACTOR SHALL REPAIR ANY UTILITY SYSTEM DAMAGED DURING CONSTRUCTION.
4. VERIFY LOCATION OF ALL EQUIPMENT AND DEVICES ON ARCHITECTURAL AND CIVIL PLANS.
5. MINIMUM CONDUIT BURIAL DEPTH IS 24".
6. CONTRACTOR TO PROVIDE GROUND CONDUCTORS IN ALL CONDUITS.
7. 1" CONDUIT MINIMUM UNDERGROUND.
8. COORDINATE WORK WITH OTHER TRADES. OBTAIN ALL DRAWINGS THAT WILL REQUIRE COORDINATION AND PROVIDE ALL ELECTRICAL CONNECTIONS, DEVICES, AND WIRING REQUIRED WHETHER SHOWN ON ELECTRICAL DRAWINGS OR NOT.
9. CONTRACTOR SHALL FURNISH AND INSTALL PULL BOXES AS REQUIRED TO INSTALL CONDUCTORS PER CONDUCTOR MANUFACTURERS RECOMMENDATIONS, PER THE NATIONAL ELECTRICAL CODE AND PER LOCAL AUTHORITIES HAVING JURISDICTION.

KEY NOTES:

1. NEW POLE LIGHT & BASE/PULLBOX PER DETAIL 1 E600.
2. NEW WALL MOUNTED AREA FLOOD ON FACE OF SOFFIT @ APPROXIMATELY 10'-0" AFG, PAINT CONDUIT TO MATCH EXISTING SURFACE. 13 lbs FIXTURE WEIGHT ATTACHED TO +10" +/- THICK CONCRETE OVERHANG. ATTACH WITH (2) 1/4" DIA. x 2" NOMINAL EMBEDMENT STAINLESS STEEL SIMPSON STRONG BOLT2 EXPANSION ANCHORS ICC ESR-3037. 2.25" MINIMUM SPACING BETWEEN THE ANCHORS. 2" MINIMUM DISTANCE FROM ANCHOR TO EDGE OF CONCRETE.
3. (N) 1'C-(EMT) 6#10AWG & 3#10 GND.
4. (N) 1'C-(PVC 40) 6#10AWG & 3#10 GND.
5. (N) 1'C-(PVC 40) 2#10AWG & 3#10 GND.
6. (N) 1'C-(PVC 40) 4#10AWG & 3#10 GND.
7. NEW POLE LIGHT & BASE PER DOUBLE HEAD DETAIL 1 SHEET E600.
8. EXISTING POLE FIXTURE TO BE CONNECTED TO EM POWER.

TYPICAL EM LIGHTING AT 9 LOCATIONS, PROVIDE NEW (240VAC) EM FEEDER TO THESE POLE LIGHTS FROM EM INVERTER & DISCONNECT EXISTING 480VAC CIRCUIT TO THESE 9 FIXTURES BUT POWER TO OTHER SITE POLE FIXTURES ON SITE TO REMAIN



SCALE: 1"=15'
0 15 30

PARTIAL SITE LIGHTING PLAN NEW WORK

SCALE: 1"=15'-0"

1 - E140

N

SEE E301 FOR SITE PHOTOMETRICS

1008.2.3 EXIT DISCHARGE. ILLUMINATION SHALL BE PROVIDED ALONG THE PATH OF TRAVEL FOR THE EXIT DISCHARGE FROM EACH EXIT TO PUBLIC WAY.

EXCEPTION: ILLUMINATION SHALL NOT BE REQUIRED WHERE THE PATH OF EXIT DISCHARGE MEETS BOTH OF THE FOLLOWING REQUIREMENTS:
1. THE PATH OF EXIT DISCHARGE IS ILLUMINATED FROM THE EXIT TO A SAFE DISPERSAL AREA COMPLYING WITH SECTION 1028.5.
2. A DISPERSAL AREA SHALL BE ILLUMINATED TO A LEVEL NOT LESS THAN 1 FOOTCANDLE (11 LUX) AT THE WALKING SURFACE.

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APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College 4667 Telegraph Road Ventura, CA 93003

COMMISSIONED ARCHITECT

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STAMPS/SEALS

KENNETH W. LUCCI — No. E-9330 — Exp. 09/30/2024 — ELECTRICAL — STATE OF CALIFORNIA

JEAN ANN AMADOR — LICENSED ARCHITECT — C-22205 — STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

PARTIAL SITE LIGHTING PLAN NEW WORK

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	L.K./D.S.	CHECKED:	K.L.

SHEET NUMBER:

E140

DATE: 01-27-2023 SHEET: ____ OF ____

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Drafter:CM02 Paper Size: 24.000000in,36.000000in Drawing:G:\22\558\EL\Sheets\22-558E140.dwg Attached XREFs: G:\22\558\EL\Sheets\22-558TB.dwg G:\22\558\EL\Sheets\22-558E140.dwg XREF:G:\22\558\EL\Sheets\22-558E140.dwg XREF:G:\22\558\EL\Sheets\22-558E140.dwg XREF:G:\22\558\EL\Sheets\xref-ele-site.dwg

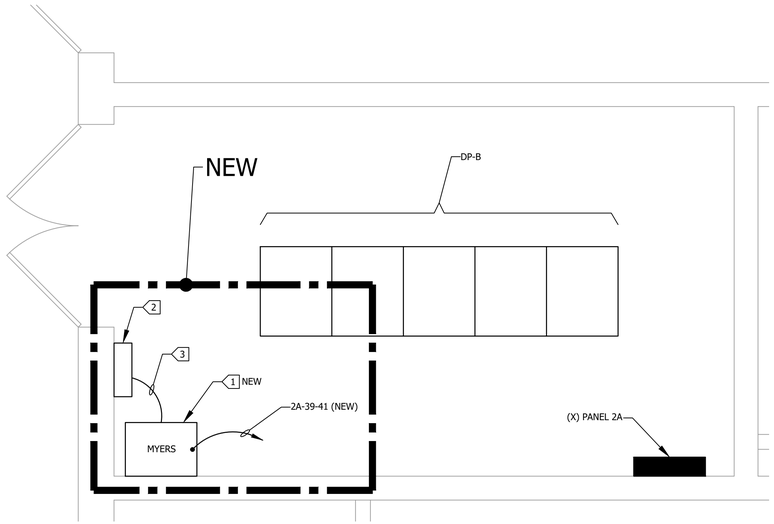
Plotter: CM01: G:\22\558\EL\Sheets\22-558E140.dwg; DATE: JAN 25, 2023 TIME: 12:03 PM

DRAFTER: CM02 DRAWING FILENAME: 22-558E200 PATHNAME: G:\22\558\EL\Sheets
DATE: 25 January 2023 TIME: 3:35 pm
Drafter:CM02 Paper Size: 36.000000(H)x24.000000(V)
Drawing:G:\22\558\EL\Sheets\E200.dwg
Date & Time Plotted:1/25/2023 3:35:08 PM
Attached XREFs:
XREF:G:\22\558\EL\Sheets\E001.dwg
XREF:G:\22\558\EL\Sheets\E002.dwg

KEY NOTES:

1. MYERS, EM BATTERY INVERTER, 10KW, #8-IE-8-S-B-240-32-9-BLMZ-2YW (208-240 VAC) SEE SHEET E300B
2. ACUITY LIGHTING CONTROL RELAY PANEL ARP-INTEN32HLT-32FCR-MVOLT-HLK-SM-DTC SEE SHEET E601
3. 1-1/4"C - 16#10 & 1#10 GND & 1-1/4" C.O. SPARE

NO PENETRATION OR CUT OF (E) CONCRETE ELEMENTS SHALL BE PERMITTED



1/2" - 1'-0"
0 1' 2' 4'

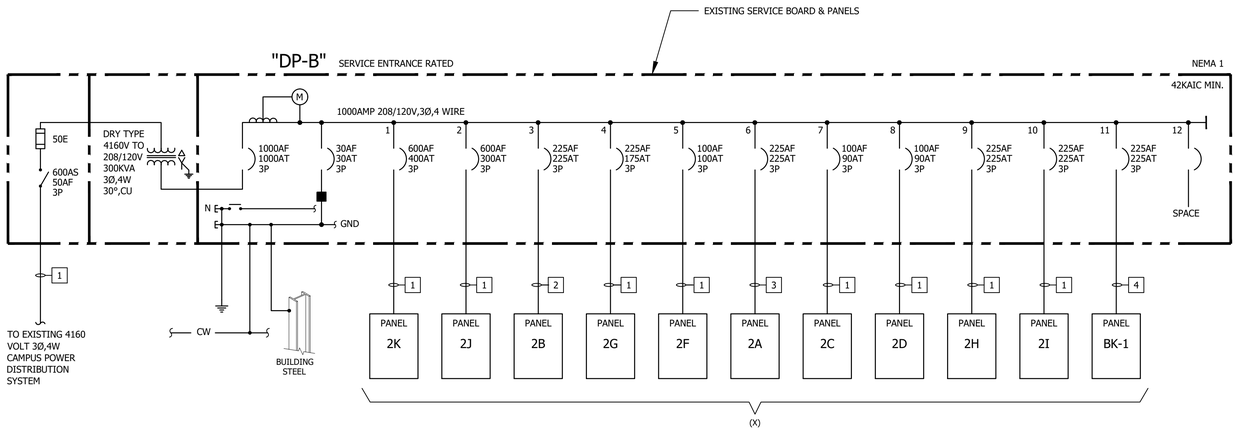
ELECTRICAL ROOM DETAIL 1 E200

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

EXISTING ELECTRICAL SERVICES HAS BEEN INVESTICATED AND FOUND TO HAVE ADEQUATE CAPACITY FOR THE PROPOSED LOAD ADDITION SHOW ON THE PLANS.

EXISTING FEEDER SCHEDULE

TAG	CONDUIT/CONDUCTOR	FROM	TO
1	EXISTING FEEDER	DP-B	EXISTING PANELS
2	2-1/2"C - 4#4/0 & 1#4 GND	DP-B	PANEL 2B
3	2-1/2"C - 4#4/0 & 1#4 GND	DP-B	PANEL 2A
4	2-1/2"C - 4#4/0 & 1#4 GND	DP-B	PANEL BK-1
5	2-1/2"C - 4#4/0 & 1#4 GND	DP-B	PANEL 2H



EXISTING PANEL

PANEL NUMBER 2A — VOLTAGE 120/208 — PHASE 3 — WIRE 4
SOURCE DP-B — A.I.C. 10,000
PANEL LOCATION ELECTRICAL ROOM — BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ SURFACE MOUNTING

LCL	MISC	RCPT	LITE	LCL	CIRCUIT DESCRIPTION	LOAD(VA) A	LOAD(VA) B	LOAD(VA) C	BRKR POLE	BRKR AMP	CKT	PHASE A B C	CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	LOAD(VA) B	LOAD(VA) C	CIRCUIT DESCRIPTION	MISC	RCPT	LITE	LCL
					EXISTING LOAD	11800			1	20	1		2	20	1	635			EXISTING LOAD				
							11800		1	20	3		4				635						
								11800	1	20	5		6					635					
						500			1	20	7		8			258							
							800		1	20	9		10				258						
								400	1	20	11		12					258					
						400			1	20	13		14			800							
							400		1	20	15		16				520						
								1000	1	20	17		18					520					
						1000			1	20	19		20			520							
							1000		1	20	21		22				-		SPARE				
					SPACE			1000	1	20	23		24					-					
											25		26			-							
											27		28				-						
											29		30					-					
											31		32			-							
											33		34				-						
											35		36					-					
											37		38			-							
NEW BREAKER & LOAD					MYERS EM		3000			80	39		40				-						
								3000	2		41		42					-					
					TOTALS	13700	17000	17200								2213	1413	1413	TOTALS				

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 52939 PHASE A 15913 PHASE B 18413 PHASE C 18613
TOTAL AMPS: 147 PHASE A 133 PHASE B 153 PHASE C 155

EXISTING PANEL

PANEL NUMBER 2G — VOLTAGE 120/208 — PHASE 3 — WIRE 4
SOURCE DP-B — A.I.C. 10,000
PANEL LOCATION SERVING AREA — BUS AMPERE RATING 225
■ NEMA 1 ■ COPPER BUSS ■ MAIN LUGS ONLY ■ FLUSH MOUNTING

LCL	MISC	RCPT	LITE	LCL	CIRCUIT DESCRIPTION	LOAD(VA) A	LOAD(VA) B	LOAD(VA) C	BRKR POLE	BRKR AMP	CKT	PHASE A B C	CKT	BRKR AMP	BRKR POLE	LOAD(VA) A	LOAD(VA) B	LOAD(VA) C	CIRCUIT DESCRIPTION	MISC	RCPT	LITE	LCL
					BOILER CIRC PUMP & CONTROL	800			1	20	1		2	20	1	1350			1/4HP ICECREAM CABT, MILK DISP.				
					SPARE		800				3		4				1275		1/4HP ICECREAM CABT, CASHIER				
					SPARE			800			5		6					1675	1/4HP U.C. REFRIG, BUN WARMER				
					CUP DISPENSER	1500					7		8			1500			CUP DISPENSER				
					ROLL WARMER		1000				9		10				3000		COFFEE URN				
					HOT CHOCOLATE DISPENSER			800			11		12					3000	COFFEE URN				
					CUP DISPENSER	1500					13		14			3000			COFFEE URN				
					ROLL WARMER		800				15		16				3000		COFFEE URN				
					1/4HP MILK DISP. CASHIER			1275			17		18					1500	CUP DISPENSER				
					1/4HP ICE CREAM CAB'T	675					19		20			800			ROLL WARMER				
					1/3HP REFRIGERATOR		900				21		22				925		1HP ICE MACHINE				
					1/3HP SHAKE MACHINE			850			23		24					925	1HP ICE MACHINE				
					1/2HP SHAKE MACHINE	1150					25		26			1750			1/3HP REFRIGERATOR				
					1/5HP JUICE DISP. HOT CHOC. DISP.		1425				27		28				1200		SANDWICH WRAP, RECP.				
					3/4HP 208V 1Ø REFRIG			800			29		30					1000	SPARE				
					TAPE SPARE CONDUCTOR	800					31		32			400			COFFEE SHOP REC.				
					SPARE		800				33		34				1000		SPARE				
					SPACE						35		36					1000	SPARE				
					SPACE						37		38			-			SPACE				
					SPACE						39		40				-		SPACE				
					SPACE						41		42					-	SPACE				
					MEETING RM RECEPTACLE	360			1	20	43		44	20	1	360			OFFICE AREA				
							360				45		46				360						
								360			47		48					360	IT ROOM RECEPTACLE				
						360					49		50			360							
							360				51		52				360		OFFICE AREA				
								360			53		54					360					
						360					55		56			360			STORAGE				
					WORK RM RECEPTACLE		360				57		58				-		SPARE				
								360			59		60					-					
						360					61		62			-							
							360				63		64				-						
								360			65		66					-					
						360					67		68			-							
							360				69		70				-						
								360			71		72					-					
					OFFICE RECEPTACLE	360					73		74			-							
							360				75		76				-						
								360			77		78					1200	HAND DRYER				
						360					79		80			1200							
							360				81		82				1200						
					SPARE			-			83		84					1200					
					TOTALS	8945	8245	6685								9880	11120	9820	TOTALS				

NEW BREAKER & LOAD

L.C.L. VOLT AMPS: . PHASE A . PHASE B . PHASE C .
TOTAL VOLT AMPS: 54695 PHASE A 18825 PHASE B 19365 PHASE C 16505
TOTAL AMPS: 151.9 PHASE A 156.9 PHASE B 161.4 PHASE C 137.5

2J
2G

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792
Ventura Community College 4667 Telegraph Road Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR
amador whittle architects, inc.
28328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT
LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 14580 Exp. 09/30/2024 ELECTRICAL STATE OF CALIFORNIA

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

ELECTRICAL PANEL SCHEDULE, SINGLE LINE AND ELECTRICAL ROOM DETAIL

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	L.K./D.S.	CHECKED:	K.L.

SHEET NUMBER:

E200

DATE: 01-27-2023 SHEET: ____ OF ____

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SPECIFICATIONS

ENCLOSURE DIMENSIONS
Note: Enclosure is NEMA 1 rated

8-Relay Enclosure
- BACKBOX ONLY: 14.25"H x 14.25"W x 4.00"D
- SURFACE MOUNT SCREW COVER (standard offering): 14.41"H x 14.41"W x 4.05"D
- FLUSH MOUNT SCREW COVER: 15.65"H x 15.65"W x 4.05"D (IN-WALL DEPTH: 4.0")

16 Relay Enclosure
- BACKBOX ONLY: 22.25"H x 14.25"W x 4.00"D
- SURFACE MOUNT SCREW COVER (standard offering): 22.45"H x 14.45"W x 4.06"D
- FLUSH MOUNT SCREW COVER: 23.65"H x 15.65"W x 4.06"D (IN-WALL DEPTH: 4.0")

32 Relay Enclosure
- BACKBOX ONLY: 32.10"H x 20.13"W x 6.00"D
- SURFACE MOUNT HINGED DOOR w/ KEYLOCK: 32.10"H x 20.13"W x 6.68"D

48 Relay Enclosure
- BACKBOX ONLY: 40.10"H x 20.13"W x 6.00"D
- SURFACE MOUNT HINGED DOOR w/ KEYLOCK: 40.10"H x 20.13"W x 6.68"D

Patent
- 10,129,950
- 9,691,578
- 9,368,306

RELAYS
"FCR" Type Relays - Field Configurable for 2-Pole and 3-Pole Relays
- Magnetic/Standard Ballast:
  - 40A @ 120-347VAC (Single-pole)
  - 40A @ 480VAC (Multi-pole)
- Electronic Ballast:
  - 16A @ 120-347VAC
- Tungsten:
  - 20A @ 120-277VAC
- Horsepower Ratings:
  - 2HP @ 120VAC
  - 3HP @ 240-277VAC
- DC:
  - 20A @ 48VDC
- SCCR:
  - 65kA @ 277/480VAC with: Screw Cover (SC) option for 8 & 16 relay enclosure Hinge Locking (HLK) option for 32 & 48 relay enclosure
  - 14kA @ 277/480VAC with: Hinge Locking (HLK) option for 8 & 16 relay enclosure

"SPR" Type Relays
- Magnetic/Standard Ballast:
  - 20A @ 120-277VAC
- Electronic Ballast:
  - 16A @ 120-277VAC
- Tungsten:
  - 5000W @ 250VAC
- Horsepower Ratings:
  - 2HP @ 120VAC
- DC:
  - 20A @ 48VDC
- SCCR:
  - 5kA @ 277VAC

NLIGHT ADDRESSES PER PANEL
- (9) ARP04/08
  - (8) Relays/Dimming Outputs
  - (1) Programmable Input
- (18) ARP12/16
  - (16) Relays/Dimming Outputs
  - (2) Programmable Inputs
- (36) ARP24/32
  - (32) Relays/Dimming Outputs
  - (4) Programmable Inputs
- (54) ARP48
  - (48) Relays/Dimming Outputs
  - (6) Programmable Inputs

INPUTS (1 PER 8 RELAYS)
- (1) Programmable Input for contact closure or photosensor signal (see photosensor accessories above)
- (1) Override input (requires maintained signal)
- 24VDC/200mA auxillary power available (per 8 relays)
- Connectors accept 16 to 24 AWG wire

OUTPUTS
- 0-10V Capable of Class 1 or Class 2 Wiring
- 100mA Sink Per Dimming Output
- Note:
  - Low trim default 1V, adjustable down to 0.7V
  - High trim default 10V, 10V max
  - Off mode: < 0.7V
- Connectors accept 16 to 24 AWG wire

POWER SUPPLY INPUTS
- 120-277VAC
- 347VAC Option
- 50/60 Hz
- Max 0.5 Amps for 8/16 relay enclosure
- Max 1.0 Amp for 32/48 relay enclosure

PROGRAMMING
- Via SensorView Software

ENVIRONMENT
- Ambient, 8 & 16 relay enclosure: 32-122F (0-50C)
- Ambient, 32 & 48 relay enclosure: 32-113F (0-45C)
- Relative Humidity: 90% non-condensing

STANDARDS
- UL and cUL 916 listed
- UL 924 listed (for emergency circuit use)
- UL 2043 (Plenum) Rated for Surface Mount Screw cover "SC SM" option (8 & 16 relay enclosure only)

BUS CONNECTOR
- (2) RJ45 connectors
- 40mA Bus Power per RJ45 (80mA total)

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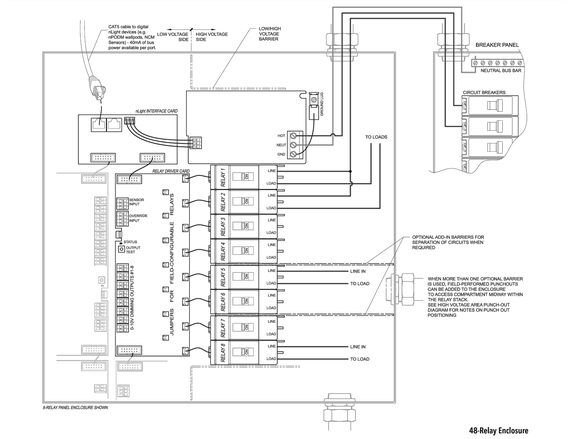
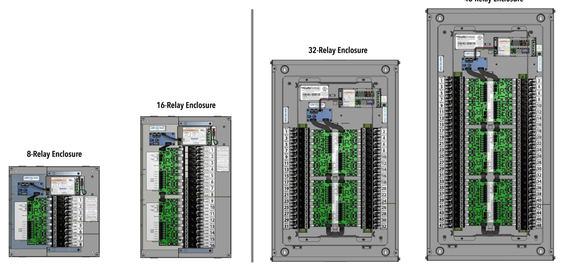
WIRING - SINGLE-POLE





Dead-Front removed
Shown with optional Circuit Separation Barrier

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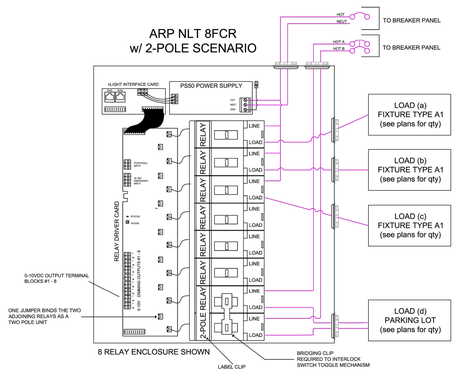

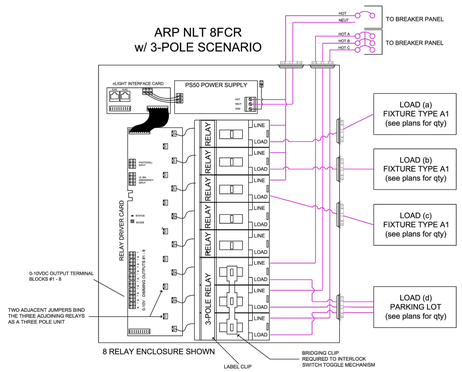

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Catalog Number: | Date: | Project:

OVERVIEW

The nLight Relay Panel family delivers cost-effective 0-10V dimming and switching for your building design needs. The panel communicates with an nLight network and supports up to 128 digital devices per nLight control zone. Offering a full range of panel sizes, the nLight Relay Panel is ideal for spaces that require full circuit control, with the optional flexibility of configuring single pole relays into a two or three-pole relays in the field.

Also included on each panel is a programmable input that can be connected to a photocell, for example, and a separate dry contact "alarm" input that overrides all relays until the contact is released.

nLIGHT OPERATION

The nLight Relay Panel is nLight-enabled, meaning it has the ability to communicate over an nLight network. When daisy-chain wired with other nLight-enabled sensors, power packs, or WallPods™ using CAT-5e cabling, an nLight control zone is created. Connecting the panel to an nLight network backbone and nLight® ECLYPSE™ system controller enables time-based control, remote programming and monitoring from SensorView™ software, and BMS integration capabilities.

The digital time clock (DTC) option allows for on-screen configuration and control of connected devices, while introducing scheduling to standalone panel. When connected to nLight backbone and nLight ECLYPSE system controllers the panels relinquish all time clock functionality.

FEATURES

- Communicates with an nLight network
- Up to 128 digital devices per nLight control zone - each nLight Relay Panel utilizes 9 device addresses per 8 relays/dimming outputs:
  - 1 address per relay/dimming output
  - 1 address for the programmable input
- All relays include local manual override lever
- All relays are individually programmable
- One 0-10V dimming output per relay
- Create and control up to 32 schedules – Normal & Holiday (DTC version)
- Programmable "dry contact/pull high" input (with provided 24VDC source)
  - Input is programmable to preset/profile scene, photosensor signal, wallpod toggle (maintain or momentary)
- Contact input for "alarm" override (requires maintain contact signal)
- All relays communicate with switch/occupancy/photocell channel 1 out of the box (programmable through SensorView)
- FCR type relays capable of being field configured to 2 and 3-pole relay configurations with included hardware:
  - 4/8 Relay Panel: 2x2-Pole and 1x3-Pole Hardware Included
  - 12/16 Relay Panel: 4x2-Pole and 2x3-Pole Hardware Included
  - 24/32/48 Relay Panel: 6x2-Pole and 3x3-Pole Hardware Included
- Supplies auxiliary 24VDC power and nLight network bus power (40mA per RJ45 port)
- Removable back plate for ease of installation
- UL 924 panel listing for Switching Emergency Circuits
- Optional field installed voltage barrier(s) for normal/emergency use, or mixed voltage use
- Remotely Configurable/Upgradeable

Warranty
Five-year limited warranty. Complete warranty terms located at:
www.acuitybrands.com/support/customer-support/terms-and-conditions

Note: Actual performance may differ as a result of end-user environment and application.

Specifications subject to change without notice.

nLIGHT

Relay Panel

c UL us LISTED

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ORDERING INFORMATION

nLight RELAY PANEL — Example: ARP INTENC08 NLT 8FCR MVOLT SC SM

Panel Size		Relay Quantity					
ARP INTENC08 NLT	8-Relay Enclosure	4SPR[1]	4-Single Pole Relays	32SPR[3]	32-Single Pole Relays	16FCR[3]	16-Field Configurable Relays
ARP INTENC16 NLT	16-Relay Enclosure	8SPR[1]	8-Single Pole Relays	48SPR[4]	48-Single Pole Relays	24FCR[3]	24-Field Configurable Relays
ARP INTENC32 NLT	32-Relay Enclosure	12SPR[2]	12-Single Pole Relays	4FCR[1]	4-Field Configurable Relays	32FCR[3]	32-Field Configurable Relays
ARP INTENC48 NLT	48-Relay Enclosure	16SPR[2]	16-Single Pole Relays	8FCR[1]	8-Field Configurable Relays	48FCR[4]	48-Field Configurable Relays
		24SPR[2]	24-Single Pole Relays	12FCR[2]	12-Field Configurable Relays		

Operating Voltage		Voltage Barrier		Door Type		Mounting		Clock Option	
MVOLT	120-277VAC	[blank]	No barriers	SC	Screw Cover	SM[5]	Surface Mount	[blank]	No Clock
CNDV[6]	120-277, 347VAC	1VB	1 Voltage Barrier	HLK[7]	Hinge Locking	FM	Flush Mount	DTC	Digital Time Clock
		2VB	2 Voltage Barriers						
		3VB[3]	3 Voltage Barriers						
		4VB[4]	4 Voltage Barriers						

NOTE: If desired, panel enclosure and interior components can be ordered separately (typically for panel enclosure rough-in prior to final wiring and system programming). Contact your Acuity representative for ordering tree information.

1. Only available in 8-Relay Enclosure.
2. Only available in 16-Relay Enclosure.
3. Only available in 32-Relay Enclosure.
4. Only available in 48-Relay Enclosure.
5. Only available with xFCR Relay Option.
6. Only available in 32 or 48-Relay Enclosure Options.
7. 32/48 Enclosures only available in hinge locking surface mount.

Photosensor Accessories: *Order as separate catalog number.*

Series	Description	Recommended Application
ARPA PC	Simple switching (at ~1-3fc) with mechanically adjustable slide	Outdoor dusk to dawn, On/Off only
ARPA APS OL	Analog sensor (0-100FC) with switching/dimming thresholds remotely adjustable (via SensorView)	Outdoor dusk to dawn lighting, On/Off or On/Off/Dimming (where necessary)
PCELL 3WI ZT	Analog sensor (0-100FC) with switching/dimming thresholds remotely adjustable (via SensorView)	Indoor On/Off or On/Off/Dimming Applications

NOTE: For additional photosensor information, see spec sheet: PCELL Spec Sheet.

Additional Accessories: *Order as separate catalog number.*

Series	Description
ARP FCR CONFIG HARDWARE BAG	Extra set of hardware to create 2 and 3-pole relays in the field (2x 2-pole relays, 1x 3-pole relay)
ARP BARRIER REPLACEMENT KIT	Additional voltage barrier for 4/8/12/16 relay panels
ARP32-48 VOLTAGE BARRIER	Additional voltage barrier for 24/32/48 relay panels

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DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792

Ventura Community College 4667 Telegraph Road Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

LUCCI & ASSOCIATES INC.
CONSULTING ELECTRICAL ENGINEERS
3251 CORTE MALPASO, #511
CAMARILLO, CA 93012-8094
(805) 389-6520 FAX (805) 389-6519

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER — KENNETH W. LUCCI — No. E-9350 — Exp. 09/30/2024 — ELECTRICAL — STATE OF CALIFORNIA

LICENSED ARCHITECT — JEAN ANN AMADOR — C-22205 — STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

ELECTRICAL DETAILS

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	L.K./D.S.	CHECKED:	K.L.

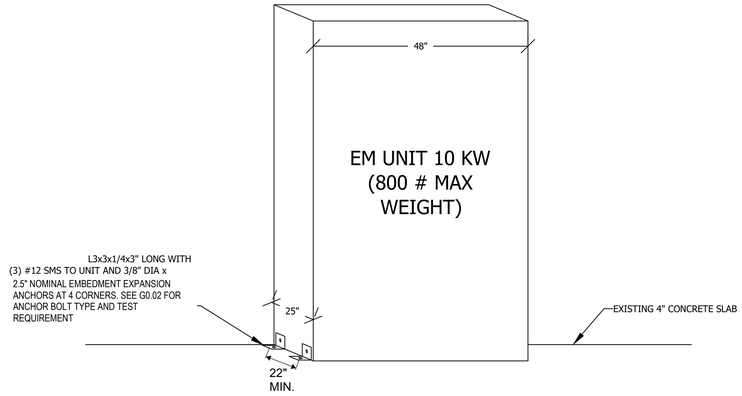
SHEET NUMBER:

E300A

DATE: 01-27-2023 SHEET: ____ OF ____

Copyright Lucci and Associates Consulting Electrical Engineers. Deviations from this drawing will not be made without their expressed written permission. L.A.I.# 22-558 PAPER SIZE 36"x24"

DRAFTER: CM02 DRAWING FILENAME: 22-558E300A PATHNAME: G:\22\558\ELL\Sheets DATE: 25 January 2023 TIME: 3:35 pm
Drafter: CM02 Page Size: 36.000000 x 24.000000 Drawing: G:\22\558\ELL\Sheets\22-558E300A.dwg Attached XREFs: Attached Images: G:\22\558\ELL\Invoke\22-558TB.dwg



EM INVERTER UNIT MOUNTING

SCALE: 3/4"=1'-0"

1 / E300B

MYERS
EMERGENCY POWER SYSTEMS

Illuminator IE
Emergency Lighting Inverter System

Single Phase Interruptible Power Systems
1.5KVA/KW to 16.7KVA/KW For LED & All Other Non-HID Lighting Loads

Models 1.5KVA to 5.0KVA

Models 6.0KVA to 16.7KVA

STANDARD FEATURES

- 98% Efficient (Typical)
- PWM/IGBT Technology
- Micro-Processor Control
- User Programmable with Password Protection
- UL 924 Listed
- Automatic Event, Test and Alarm Log
- RS232 Communications Port
- Input Circuit Breaker
- 50ms Transfer Time
- Low Audible Noise
- Normally Off Output
- Space-Saving, Single Cabinet Design
- 65kAIC Interrupting Rating

OPTIONAL FEATURES

- Enhanced Communications
  - Expanded Building Management Protocols
  - BACnet or Modbus Communications Interface
  - **NEW IoT Connect Cloud Software**
- Internal Maintenance Bypass
- Summary Fault Form C Dry Contacts
- Fast Charge
- Remote Meter Panel
- Output Circuit Breakers
- Extended Factory Warranty
- Factory Startup and Training
- Output Trip Alarms
- Remote Summary Alarm Panel

SPECIFICATIONS

- Input 120 or 277VAC 1 Phase 2 Wire Plus Ground
- Output 120 or 277VAC 1 Phase 2 Wire Plus Ground
- Output Load Power Factor .5 Lag to.5 Lead
- Compatible with all LED Drivers
- Forced Air Cooling Only During Emergency Operation; No Filters Required
- Output Distortion Less than 3% THD for Linear Loads
- Compatible with Generators (10x Inverter Size)
- Custom Voltages Available
- 90 Minute Runtime Standard; Other Runtimes Available upon Request

MYERS Hendrickson shares thrive
44 S. Commerce Way, Bethlehem, PA 18017 | 610-868-3500 | quotes@myerseps.com | www.myerseps.com
Specifications subject to change without notice.

ORDERING GUIDE

Example Model Number:
1-IE-4-5-BA200?-T-S-M-2YW

VOLTAGE INPUT/OUTPUT [1]
1 - 120 - 120
2 - 120 - 120/277
3 - 208 - 120
4 - 240 - 120/240
5 - 277 - 120
6 - 277 - 277
7 - 277 - 277/120
8 - 208 - 120/240
9 - 347 - 347
A - 208 - 120/208
Z - Other Voltages (May Require UL Testing)

SYSTEM TYPE
IE - Illuminator IE

KVA / KW [2]
1 - 1.5
2 - 2.25
3 - 3.0
4 - 3.75
5 - 5.0
6 - 6.0
7 - 8.0
8 - 10.0
9 - 12.5
10 - 16.7

BATTERY TYPE
S - 10 year warranted
G - 20 year warranted, (not 20 year battery)

RUNTIME[3]
(other than 90 minutes)
R120 - 120 Minutes

OUTPUT BREAKERS[5]
EXAMPLE
B 5 30 01
OUTPUT
B - Normally On
N - Normally Off[4]
VOLTAGE
A - 120
B - 208
C - 240
D - 277
Z - Other
QUANTITY[6]
01-24
AMP RATING (Distribution Breaker)
10, 16, 20, 25, 32, 40, 50, 63

OPTIONS
(All options are mutually exclusive in UL Mode)
Pick Any:
A - Remote Summary Alarm Panel
BL - Circuit Breaker Locks
BTM - Battery Temperature Monitor
C - Status Monitoring Contacts
DT - Dry Top (NEMA 2)
F - Fast Charge
H - OSHPD "Withstand" Seismic
I - Inverter on Dry Form C Contact
L - Load Control Relay (Line Voltage Dimmer or Switch Bypass)
M - Maintenance Bypass[4]
M(BSM) - Internal Maintenance Bypass[4]
O - Output Transfer Delay (Factory set at 3 seconds; adjustable 0 to 7.5 seconds)
P - Remote Status Panel (Status Alarms, Requires C Option)
R - Remote Meter Panel
S - Summary Fault Form C Contacts
SEA - Serial to Ethernet Adapter
T - Output Trip (Supervised Alarm)[7]
V - Time Delay 15 Minutes[8]
Z - Seismic Mounting[9]
ZM - Zone Monitoring (Quantity Must Be Specified)

Pick 1:
BAC - BACnet Communications (MSTP)
BIP - BACnet IP
IOT - IoT Inverter Connect Cloud Software
MIP - Modbus TCP/IP
MOD - Modbus RTU

ONSITE SERVICES & WARRANTY[7]
2YW - Start Up & Same Day Training
2YWT - Start Up, Same Day Training and Full Run Test
5YP - 5-Year Preventative Maintenance Plan
5YW - 5-Year Extended Electronics Warranty
TR - Training if required on day other than startup

1. Only single phase voltages available.
2. KVA= KW
3. Standard battery runtime is 90 minutes. Contact factory for other runtimes. 120-minute run time is not available for 16.7KVA systems.
4. Normally off loads cannot exceed 20% of total KVA rating with any combination of HID loads.
5. Maximum 4 output breakers available: 12 unsupervised (1 pole), 8 supervised (1 pole) for 1.5KVA-5KVA; 24 unsupervised (1 pole), 12 supervised (1 pole) for 6KVA-16.7KVA; Breakers provided are 20 Amps unless specified otherwise. A 2-pole breaker occupies 2 positions. Additional output breakers available on 1.5-kva units with optional top mount enclosure. Contact factory for details.
6. Maintenance bypass switch is a 'make before break'.
7. One year warranty is standard.
8. Anchorage based on calculations. For systems requiring OSHPD/Withstand testing, please contact the factory.
9. 15 minute retransfer time delay of normally off circuit after return of utility.

ACCESSORIES
EMBP - External Maintenance Bypass Switch [4,5]
SPARES - Spare Fuses & Circuit Boards
SPAREF - Spare Fuse Kit

A) Cannot purchase External Maintenance Bypass Switch with Internal Output Breaker options.

■ = Required feature for part number.
□ = Optional feature. Not required for part number.

DIMENSIONS

Electronics Module									Batteries 90 Minutes @ Full Load				
Model Number	Power Rating (KVA / KW)	Efficiency (%)	Audible Noise (db)	Heat Loss (BTU)	Cabinet Dimensions Width (in / cm)	Height (in / cm)	Depth (in / cm)	Weight (lbs / kg)	90 Minutes Batteries (lbs / kg)	Number of Batteries	Voltage (VDC)	Current (amps)	Total System Weight (lbs / kg)
IE-1-5	1.5	98	45	102	30 / 77	47 / 119	25 / 64	215 / 98	296 / 135	4	48	39	511 / 230
IE-2-5	2.25	98	45	153	30 / 77	47 / 119	25 / 64	230 / 105	444 / 200	6	72	38	679 / 306
IE-3-5	3.0	98	45	204	30 / 77	47 / 119	25 / 64	235 / 107	592 / 266	8	96	38	827 / 372
IE-4-5	3.75	98	45	255	30 / 77	47 / 119	25 / 64	240 / 109	740 / 330	10	120	37	980 / 441
IE-5-5	5.0	98	45	340	30 / 77	47 / 119	25 / 64	280 / 128	888 / 400	12	144	40	1168 / 525
IE-6-5	6.0	98	45	408	48 / 122	76 / 193	25 / 64	605 / 272	1110 / 500	15	180	40	1715 / 772
IE-7-5	8.0	98	45	544	48 / 122	76 / 193	25 / 64	640 / 288	1480 / 666	20	240	39	2120 / 954
IE-8-5	10.0	98	45	680	48 / 122	76 / 193	25 / 64	785 / 353	1776 / 800	24	144	82	2561 / 1153
IE-9-5	12.5	98	45	860	48 / 122	76 / 193	25 / 64	805 / 362	2220 / 999	30	180	82	3025 / 1361
IE-10-5	16.7	98	45	1135	48 / 122	76 / 193	25 / 64	885 / 398	2960 / 1332	40	240	80	3845 / 1730

MYERS
44 S. Commerce Way, Bethlehem, PA 18017 | 610-868-3500 | quotes@myerseps.com | www.myerseps.com
Specifications subject to change without notice.

B-112021

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VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA
A#03-122792
Ventura Community College 4667 Telegraph Road Ventura, CA 93003

COMMISSIONED ARCHITECT

AMADOR
amador whittle architects, inc.
28328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT
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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
KENNETH W. LUCCI
No. E-9350
Exp. 09/30/2024
ELECTRICAL
STATE OF CALIFORNIA

LICENSED ARCHITECT
JEAN ANN AMADOR
C-22205
Exp. 08/31/2023
STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

ELECTRICAL DETAILS

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	L.K./D.S.	CHECKED:	K.L.

SHEET NUMBER:

E300B

DATE: 01-27-2023 SHEET: ____ OF ____

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Attached Images:
XREF:G:\22\558\EL\Xrefs\22-558TB.dwg

LED LUMINAIRE SCHEDULE

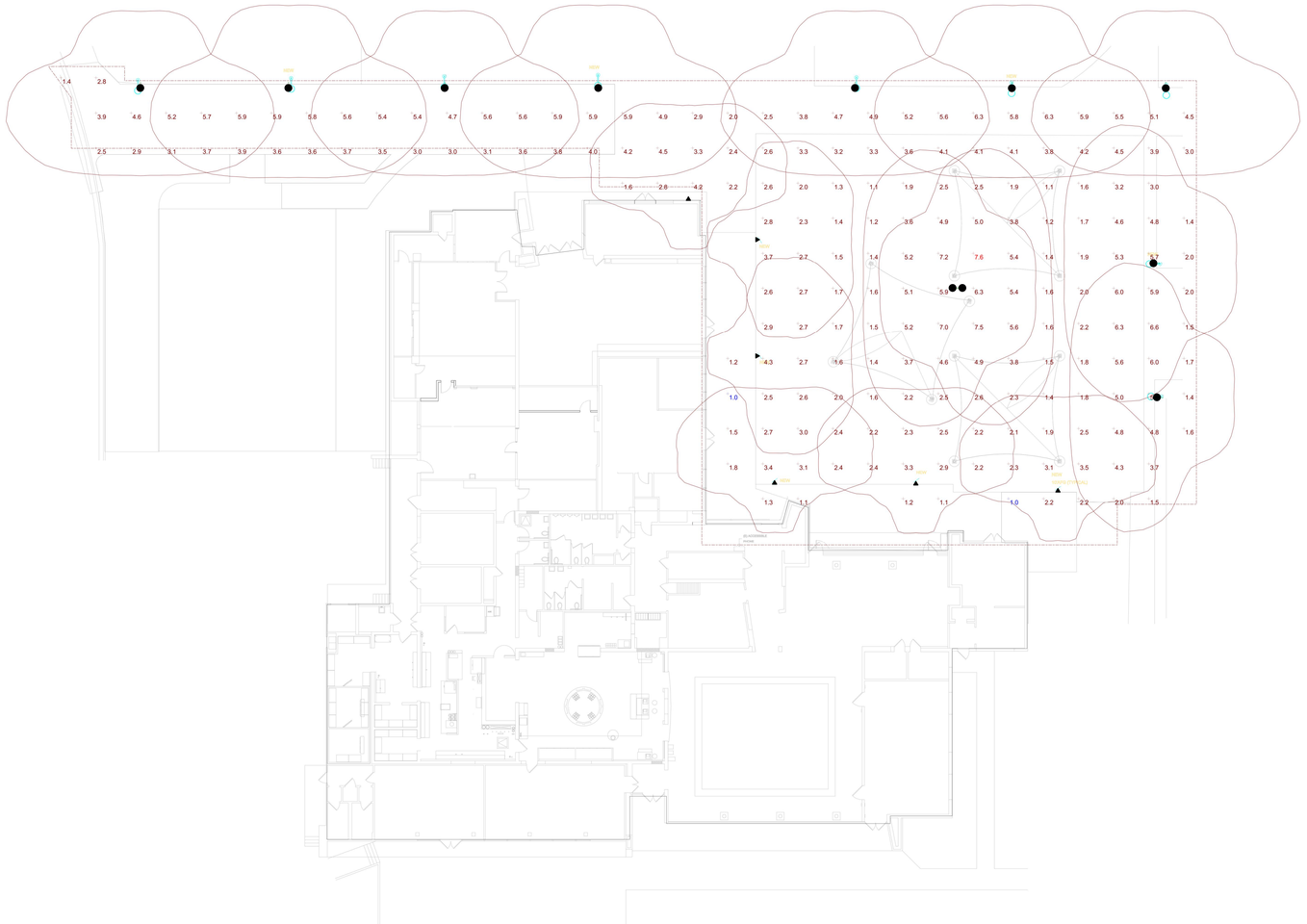
Symbol	Label	Quantity	Manufacturer	Catalog Number	Description	Lamp	Lumens Per Lamp	Light Loss Factor	Wattage	Notes
●	A	6	Lithonia Lighting	EHL16 ST 63LED 530MA 4K R2 GCF 120 xxxx	EML17XT GCF LED, 1 MODULE 63 LED 530mA, 4000K TYPE 2 OPTIC	ONE 109-W LED, DOWNLIGHT POS.	8135	0.92	109.9	
▲	B	6	Lithonia Lighting	WDGE2 LED P3 40K 80CRI T4M	WDGE2 LED WITH P3 - PERFORMANCE PACKAGE, 4000K, 80CRI, TYPE 4 MEDIUM OPTIC		3147	0.92	32.1375	
●	EX	5	Lithonia Lighting	EHL16 ST 63LED 530MA 4K R2 GCF 120 xxxx	EML17XT GCF LED, 1 MODULE 63 LED 530mA, 4000K TYPE 2 OPTIC	ONE 109-W LED, DOWNLIGHT POS.	8135	0.75	109.9	

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min
WALKWAY	+	3.4 fc	7.6 fc	1.0 fc	7.6:1	3.4:1

LUMINAIRE LOCATIONS

		Location			
No.	Label	X	Y	Z	MH
4	A	201.87	130.13	16.00	16.00
6	A	319.83	130.13	16.00	16.00
8	A	361.60	78.66	16.00	16.00
9	A	304.37	71.63	16.00	16.00
10	A	304.18	71.58	16.00	16.00
1	B	227.60	96.95	10.00	10.00
2	B	247.21	85.46	10.00	10.00
4	B	247.21	52.32	10.00	10.00
5	B	252.18	16.13	10.00	10.00
6	B	292.37	15.97	10.00	10.00
7	B	332.84	13.79	10.00	10.00
1	EX	71.38	130.13	16.00	16.00
2	EX	158.11	130.13	16.00	16.00
3	EX	275.06	130.13	16.00	16.00
4	EX	363.57	130.13	16.00	16.00
5	EX	362.61	40.45	16.00	16.00
2	A	113.56	130.13	16.00	16.00



PARTIAL SITE PHOTOMETRIC PLAN 1 / E301

SCALE: NTS

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761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER — KENNETH W. LUCCI — No. E 9830 — Exp. 09/30/2024 — ELECTRICAL — STATE OF CALIFORNIA

LICENSED ARCHITECT — JEAN ANN AMADOR — C-22205 — STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

PARTIAL SITE PHOTOMETRIC PLAN

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	L.K./D.S.	CHECKED:	K.L.

SHEET NUMBER:

E301

DATE: 01-27-2023 SHEET: ____ OF ____

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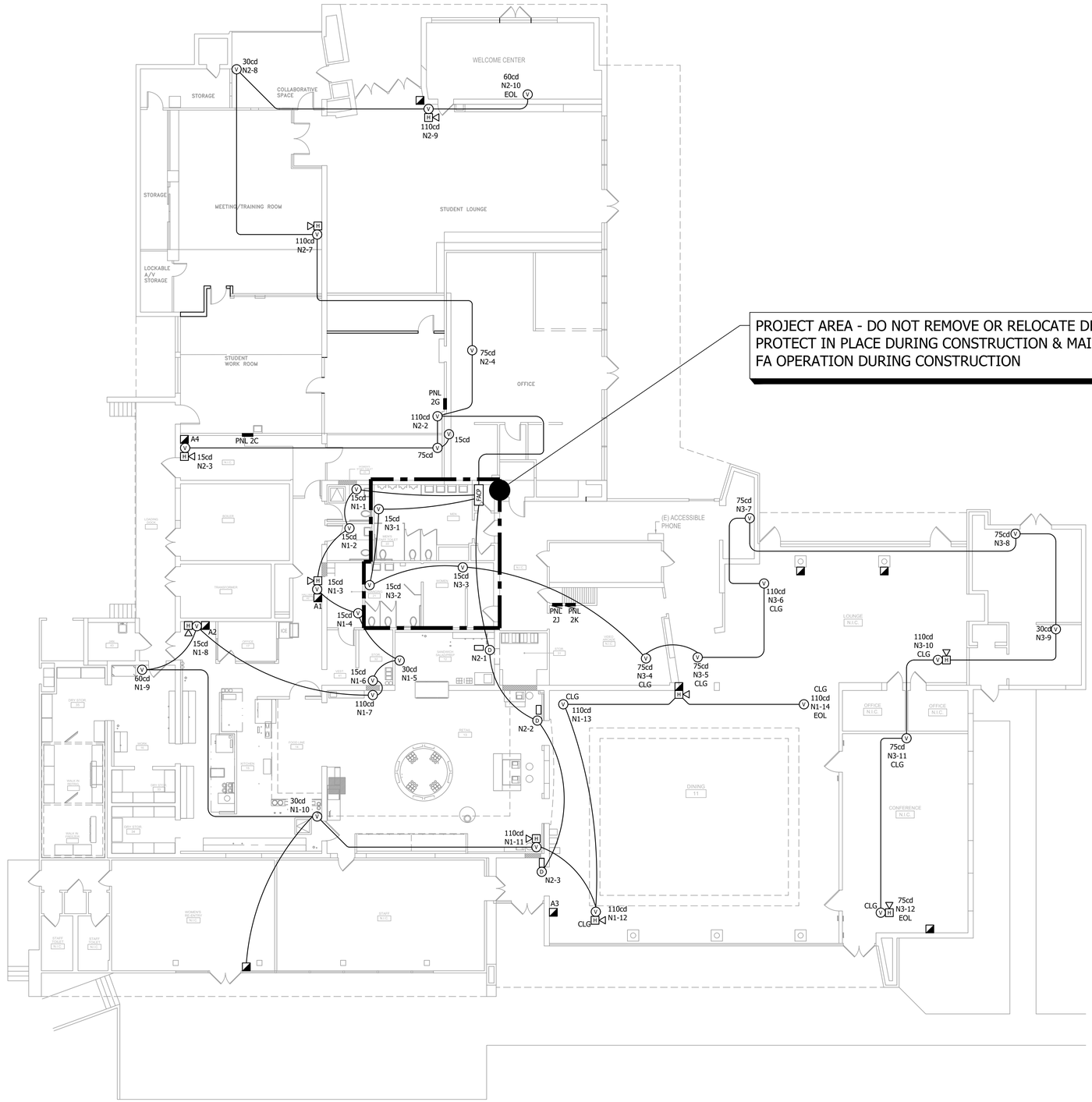

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APP# 108901
AC NN FLS SU
DATE MAY 11 2006

NO NEW WORK IN PROJECT AREA

3/32" = 1'
0 5' 10' 20'

EXISTING F.A. PLAN

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

1 / E500

N

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761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA
A#03-122792
Ventura Community College 4667 Telegraph Road Ventura, CA 93003

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 9590 EXP. 09/30/2024 ELECTRICAL STATE OF CALIFORNIA

LICENSED ARCHITECT DEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

EXISTING FIRE ALARM PLAN

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	L.K./D.S.	CHECKED:	K.L.

SHEET NUMBER:

E500

DATE: 01-27-2023 SHEET: ____ OF ____

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DATE: 25 January 2023
TIME: 3:36 pm

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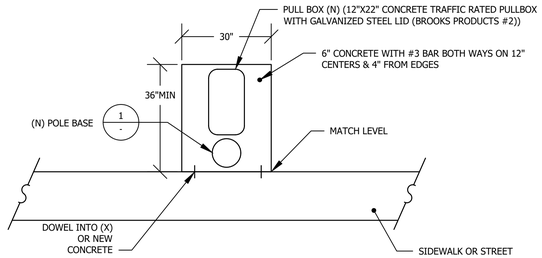
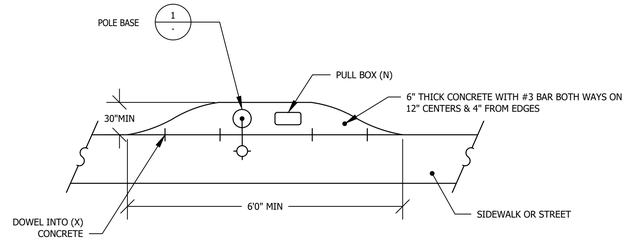


NEW WORK PLAN VIEW - POLE LIGHT BASE 2B / E600

SCALE: NONE FOR TREE & BUSH PLANTED AREA WITHOUT GRASS

ALL CONCRETE WORK, EXCEPT FOR POLE BASE, SHALL BE FLUSH WITH ADJACENT PAVEMENT

ALL CONCRETE SHALL BE 2500 # MINIMUM, EXCEPT POLE BASE



NEW WORK PLAN VIEW 2A / E600

SCALE: NONE FOR GRASS PLANTED AREA

LIGHTING FIXTURE SCHEDULE

TAG	SYMBOL	WATT	DESCRIPTION	LAMP - TYPE AND QUANTITY	MOUNTING	MANUFACTURER AND MODEL NUMBER	REMARKS
A -		120	EXTERIOR POLE LIGHT 16' (SINGLE HEAD)	LED	POLE	ANTIQUE STREET LAMPS (1)EML17ST49LED 350MA 3K GCF 480 R3SF DBL	WITH BRACKET EAL 4/1 AND FUSES IN BASE
B -		140	EXTERIOR POLE LIGHT 16' (DOUBLE HEAD)	LED	POLE	ANTIQUE STREET LAMPS (1)EML17ST49LED 350MA 3K GCF 480 R3SF DBL (DOUBLE HEAD)	WITH BRACKET EAL 4/1 AND FUSES IN BASE

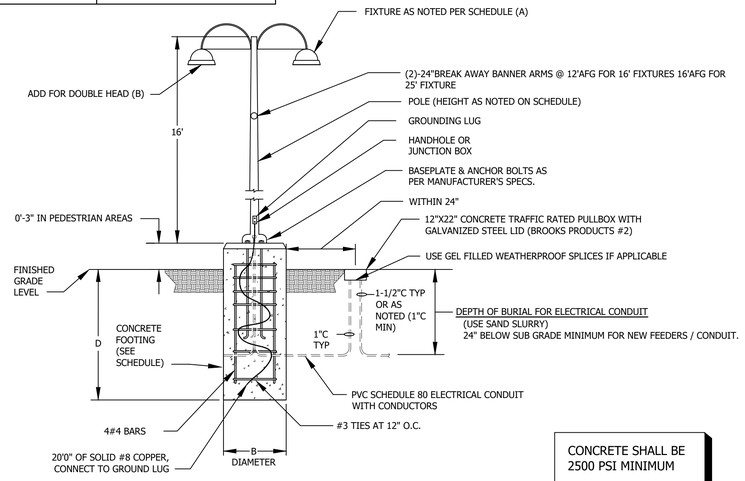
FOOTING SCHEDULE

"H"	"D"	"B"	MAX. MOMENT
15'-0" TO 20'-0"	4'-0"	2'-0"	1657 '#

DETAIL NOTES:

1. USE COMPRESSION LUGS TO TERMINATE CONDUCTORS TO LIGHT FIXTURES.

NOT PART OF DSA REVIEW AND APPROVAL



CONCRETE SHALL BE 2500 PSI MINIMUM

POLE BASE DETAIL FOR POLE FIXTURES 1 / E600

SCALE: NONE

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CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER "CSC" PLAZA A#03-122792

Ventura Community College 4667 Telegraph Road Ventura, CA 93003

COMMISSIONED ARCHITECT

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 9430 EXP. 09/30/2024 ELECTRICAL STATE OF CALIFORNIA

LICENSED ARCHITECT SEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

ELECTRICAL DETAILS

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	L.K./D.S.	CHECKED:	K.L.

SHEET NUMBER:

E600

DATE: 01-27-2023 SHEET: ____ OF ____

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PANELBOARD, FIRE ALARM OR IDF PANEL ANCHORAGE WOODEN WALL - SURFACE

SCALE: NONE

1 / E601

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER · KENNETH W. LUCCI · No. E 8930 · Exp. 09/30/2024 · ELECTRICAL · STATE OF CALIFORNIA

LICENSED ARCHITECT · JEAN ANN AMADOR · C-22205 · STATE OF CALIFORNIA

DSA V2 SUBMITTAL 01/24/2022

SHEET TITLE:

ELECTRICAL DETAILS

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	Designer
DRAWN:	L.K./D.S.	CHECKED:	K.L.

SHEET NUMBER:

E601

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DRAFTER: CM02 DRAWING FILENAME: 22-558E601 PATHNAME: G:\22\558\EL\Sheets DATE: 25 January 2023 TIME: 3:36 pm

PLUMBING NOTES

1. SCOPE OF WORK: FURNISH AND INSTALL ALL FIXTURES & PIPING SHOWN ON THE PLUMBING AND ARCHITECTURAL DRAWINGS AND DESCRIBED IN THESE NOTES AND THE BOOK SPECIFICATIONS. UNLESS OTHERWISE DIRECTED BY BUILDING OWNER, CONTRACTOR SHALL ARRANGE FOR AND PAY ALL FEES FOR CONNECTIONS TO UTILITIES FOR WATER, & SEWER, IN CONNECTION WITH THIS WORK, CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY LABOR, DEVICES, HARDWARE AND SYSTEMS REQUIRED TO MAKE SAID SYSTEMS PROPERLY AND SAFELY OPERABLE, INCLUDING, BUT NOT LIMITED TO, TRENCHING, BACKFILL, CUTTING, AND PATCHING. PROVIDE ALL SEWER & WATER PIPING TO NEW MODULAR CLASSROOMS INCLUDING BUT NOT LIMITED TO PIPE, VALVES, & CONNECTIONS TO EXISTING UTILITIES NECESSARY FOR A COMPLETE SYSTEM. SEE BOOK SPECIFICATIONS FOR MORE INFORMATION. VERIFY ALL CONNECTION SIZES. CUT AND PATCH FINISHED SURFACES AS REQUIRED. REPAIR ANY DAMAGED (E) PIPING. DO NOT COVER UNTIL RECEIVING POSITIVE APPROVAL FROM INSPECTOR. VERIFY LOCATION OF EXISTING PIPING.

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

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

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

5. CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE, THE 2019 CALIFORNIA MECHANICAL CODE, THE 2019 CALIFORNIA BUILDING CODE, THE STATE OF CALIFORNIA, THE LOCAL JURISDICTION, AND STANDARD CONSTRUCTION PRACTICES. ALL PLUMBING FIXTURES SHALL BE IN STRICT ACCORDANCE WITH THE FIXTURE SCHEDULE, AND SHALL BE NEW AND FREE FROM DEFECTS. CONTRACTOR SHALL OBTAIN AND PAY FOR ALL REQUIRED PERMITS AND FEES, AND SHALL OBTAIN APPROVED INSPECTIONS FOR ALL WORK AS REQUIRED BY OWNER, DSA, AND LOCAL JURISDICTION. CONTRACTOR SHALL MAINTAIN IN EFFECT ALL INSURANCE REQUIRED BY STATE LAWS, LOCAL JURISDICTION, AND GENERAL CONTRACTOR / OWNER. WHERE CONFLICT OR VARIATION EXISTS AMONGST CODES, SPECIFICATIONS, OR DRAWINGS, THE MOST STRINGENT SHALL GOVERN.

6. SUBMITTALS REQUIRED: PRIOR TO ORDERING FIXTURES AND MATERIALS, CONTRACTOR SHALL FURNISH SUBMITTALS OF ALL FIXTURES AND MATERIALS PROPOSED FOR USE IN THIS PROJECT. ALL FIXTURES AND MATERIALS SHALL BE INSTITUTIONAL GRADE HEAVY DUTY QUALITY. ORDERING OF FIXTURES AND MATERIALS SHALL ONLY PROCEED AFTER SATISFACTORY REVIEW OF ALL SUBMITTALS BY ENGINEER / OWNER. COPIES OF ALL OWNER'S MANUALS, WARRANTIES, AND OTHER WRITTEN INFORMATION REGARDING SYSTEMS SHALL BE SUBMITTED TO OWNER.

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

8. UNDERGROUND ALERT: CALL 811 BEFORE YOU DIG OR VISIT CALIFORNIA811.ORG TO REQUEST A TICKET ONLINE."

DO NOT START ANY EXCAVATION JOB WITHOUT FIRST OBTAINING A POSITIVE RESPONSE FROM SOCALGAS THAT YOUR LOCATE AND MARK REQUEST HAS BEEN ADDRESSED.

BEFORE LAYING OUT PIPING AND PERFORMING TRENCHING, CONTRACTOR SHALL DETERMINE LOCATIONS OF EXISTING UNDERGROUND UTILITIES. CONTACT "DIG ALERT / UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA" - 811 OR CALIFORNIA811.ORG. CONTRACTOR SHALL ALSO CONTACT OWNER'S REPRESENTATIVE TO ASCERTAIN LOCATIONS OF UNDERGROUND PIPING AND OTHER CONDITIONS AFFECTING TRENCHING, AND SHALL PERFORM TESTING AND SUBSURFACE EXPLORATION AS NECESSARY TO LOCATE UTILITIES.

9. TRENCHING: MATERIAL SHALL BE EXCAVATED FROM TRENCHES AND PILED ADJACENT TO THE TRENCH. MATERIAL SHALL BE PILED IN SUCH A MANNER THAT WILL CAUSE A MINIMUM OF INCONVENIENCE TO PUBLIC TRAVEL. ALL ROCK, BOULDERS, AND STONES SHALL BE REMOVED TO PROVIDE A MINIMUM CLEARANCE OF SIX (6) INCHES UNDER AND AROUND PIPES. EXCAVATIONS SHALL BE KEPT FREE OF WATER. TRENCHES SHALL BE DUG TO TRUE AND SMOOTH BOTTOM GRADES AND IN ACCORDANCE WITH THE LINES INDICATED ON DRAWINGS AND AS DIRECTED. TRENCH WIDTHS SHALL NOT EXCEED 30 INCHES OR 1.5 TIMES OUTSIDE DIAMETER OF THE PIPE PLUS 18 INCHES WHICHEVER IS GREATER. MINIMUM TRENCH WIDTH SHALL BE THE OUTSIDE DIAMETER OF PIPE INSTALLED PLUS 12 INCHES.

DEPTH OF TRENCHING FOR WATER AND GAS PIPING SHALL BE SUCH AS TO GIVE A MINIMUM COVER OF 18 INCHES OVER THE TOP OF THE PIPE. DEEPER EXCAVATION MAY BE REQUIRED DUE TO LOCALIZED BREAKS IN GRADE, OR TO INSTALL THE NEW PIPING UNDER EXISTING CULVERTS OR OTHER UTILITIES WHERE NECESSARY.

TRENCHING FOR SEWERS AND DRAINS SHALL BE OF SUFFICIENT WIDTH TO PERMIT PROPER JOINTING OF THE PIPE AND BACKFILLING OF MATERIAL ALONG THE SIDES OF THE PIPE. TRENCH WIDTH AT THE SURFACE OF THE GROUND SHALL BE KEPT TO THE MINIMUM AMOUNT NECESSARY TO INSTALL THE PIPE IN A SAFE MANNER. TRENCHES SHALL BE EXCAVATED BELOW THE BARREL OF THE PIPE A SUFFICIENT DISTANCE TO PROVIDE FOR BEDDING MATERIAL.

WHERE THE TRENCH BOTTOM IS IN A MATERIAL WHICH IS UNSUITABLE FOR FOUNDATION OR WHICH WILL MAKE IT DIFFICULT TO OBTAIN UNIFORM BEARING FOR THE PIPE, SUCH MATERIAL SHALL BE REMOVED AND A STABLE FOUNDATION PROVIDED. THIS SHALL INCLUDE THE PREPARATION OF THE NATIVE TRENCH BOTTOM AND/OR THE TOP OF THE FOUNDATION MATERIAL TO A UNIFORM GRADE SO THAT THE ENTIRE LENGTH OF PIPE RESTS FIRMLY ON A SUITABLE PROPERLY COMPACTED MATERIAL. GRAVEL TO BE USED FOR FOUNDATION PURPOSES SHALL BE OF A TYPE AND GRADATION TO PROVIDE A SOLID COMPACT BEDDING IN THE TRENCH.

10. BEDDDING: CONTRACTOR SHALL COMPLETE 4" SAND (COMPACTED) BEDDING AND THEN BACKFILL TO 6 INCHES OVER THE TOP OF THE PIPE WITH SAND BEFORE STARTING BACKFILLING OPERATIONS. TAKE ALL PRECAUTIONS NECESSARY TO PROTECT THE PIPE FROM DAMAGE, MOVEMENT AND SHIFTING. COMPACTION EQUIPMENT USED ABOVE THE PIPE ZONE SHALL BE OF A TYPE THAT DOES NOT INJURE THE PIPE. WHERE ORIGINAL EXCAVATED MATERIAL IS UNSUITABLE FOR TRENCH BACKFILL, BACKFILL GRAVEL SHALL BE PLACED. UNSUITABLE MATERIAL SHALL BE REMOVED TO A DISPOSAL AREA. WHEREVER A TRENCH IS EXCAVATED IN A PAVED ROADWAY, SIDEWALK OR OTHER AREA WHERE MINOR SETTLEMENTS WOULD BE DETRIMENTAL AND WHERE NATIVE EXCAVATED MATERIAL IS NOT SUITABLE FOR COMPACTION AS BACKFILL, TRENCH SHALL BE BACKFILLED WITH BACKFILL GRAVEL. WARNING TAPE MARKERS AND TRACER WIRES SHALL BE INSTALLED DURING BACKFILL OPERATIONS.

THE METHOD OF COMPACTION SHALL BE AT CONTRACTOR'S OPTION, UNLESS EXCAVATION PERMIT REQUIRES A SPECIFIC TYPE. CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE THE PROPER SIZE AND TYPE OF COMPACTION EQUIPMENT AND SELECT THE PROPER METHOD OF UTILIZING SAID EQUIPMENT TO ATTAIN THE REQUIRED COMPACTION DENSITY. COMPACTION BY WATER JETTING WILL NOT BE PERMITTED.

WHERE BACKFILL IS REQUIRED TO BE COMPACTED TO A SPECIFIED DENSITY, TESTS FOR COMPLIANCE SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS OF THE GOVERNING AUTHORITY. ALLOW TESTING SERVICE TO INSPECT AND APPROVE EACH SUBGRADE AND FILL LAYER BEFORE FURTHER FILL, BACKFILL OR CONSTRUCTION WORK IS PERFORMED.

11. PIPING LOCATIONS: PIPING LOCATIONS SHOWN ARE DIAGRAMMATIC ONLY. CONTRACTOR SHALL VERIFY LOCATIONS OF ALL LATERAL STUBS, OFFSETS, OBSTRUCTIONS, ETC REQUIRED IN THE FIELD. THE ACTUAL LOCATIONS OF LINES, CLEANOUTS AND CONNECTIONS MAY VARY PROVIDED THAT COMPLETE SYSTEMS ARE SIZED AND INSTALLED IN COMPLIANCE WITH CODES. ANY SIGNIFICANT DEVIATIONS FROM THE PLANS SHALL BE CALLED TO THE ATTENTION OF THE ENGINEER PRIOR TO INSTALLATION. VERIFY CONNECTIONS LOCATIONS AND RELOCATABLES. CUT & PATCH FINISHED SURFACES AS NEEDED FOR PIPE INSTALLATION.
PATCH SHALL MATCH ADJACENT SURFACES.

12. WASTE AND VENT PIPING: ALL DRAINS, VENTS, FITTINGS, AND THE BUILDING DRAIN SHALL BE US - MANUFACTURED CAST IRON PIPING. THE BUILDING SEWER (BEYOND 5 FEET OF FOUNDATION) SHALL BE US -MANUFACTURED ABS DWV SCH. 40 PIPE MEETING THE REQUIREMENTS OF ASTM D3965. EXTENSIONS TO SERVE CLEANOUTS AT GRADE SHALL BE CAST IRON. ALL LINES SHALL BE SLOPED AS PER PLAN IN COMPLIANCE WITH CODE. WHERE VENT PIPES PENETRATE THE ROOF, PIPING SHALL BE FLASHED AND COUNTER-FLASHED. VANDAL-PROOF VENT CAPS (JR SMITH 1748, ZURN Z-193, OR EQUAL) SHALL BE INSTALLED ON EVERY PLUMBING VENT. LAVATORY AND SINK P-TRAPS SHALL BE CHROME PLATED VANDAL-PROOF CAST BRASS, MCGUIRE MFG CO "VANDAL TRAP", OR EQUAL. WHERE PIPING PENETRATES WALL, CHROME PLATED CAST BRASS ESCUTCHEONS WITH SET SCREWS SHALL BE INSTALLED. INSTALL TAPE MARKERS AND TRACER WIRES FOR ALL BURIED PLASTIC PIPE.

13. CUTTING AND PATCHING. WORK INCLUDES CUTTING AND PATCHING (TO MATCH EXISTING) ALL SURFACES AND SYSTEMS DISTURBED BY THE PLUMBING WORK.

14. WATER PIPING: ALL UNDERGROUND SITE PIPING SHALL BE U.S. MANUFACTURED SCHEDULE 80 PVC. ALL ABOVEGROUND PIPING SHALL BE U.S. MANUFACTURED TYPE "L" HARD COPPER WITH (NON-LEAD) SOLDER SWEAT JOINTS. TRANSITIONS FROM PVC TO ABOVE GROUND COPPER SHALL BE MADE WITH U.S. MANUFACTURED TYPE "K" SOFT COPPER, USING MALE PVC / FEMALE COPPER ADAPTERS, WITH NO JOINTS ALLOWED UNDER BUILDING SLABS. UNDERGROUND JOINTS SHALL BE BRAZED. DEPTH OF COVER 30" IN PAVED AREAS / 18" IN LANDSCAPING. INSTALL TAPE MARKERS AND TRACER WIRES FOR ALL BURIED PLASTIC PIPE. INDIVIDUAL SHUTOFF VALVES SHALL BE NIBCO - S-685-80-LF BALL VALVES. MAIN SHUTOFF VALVES SHALL BE NIBCO T-113-LF GATE VALVE.

15. CLEANOUTS: CLEANOUTS TO GRADE SHALL BE J.R. SMITH 4253S OR EQUAL WITH BRONZE PLUG AND NON-SKID COVER WITH LIFTING DEVICE SET FLUSH WITH SURFACE FOR PAVED AREAS. NON-TRAFFIC OR NON-SURFACED AREAS SHALL BE INSTALLED WITH CAST IRON CLEANOUT RISERS TERMINATING WITH BRONZE PLUG WITHIN CHRISTY (OR EQUAL) CONCRETE YARD BOX WITH CAST IRON COVER AND THE WORDS "SEWER" MARKED ON COVER.

16. PIPING SUPPORT: ALL PIPING SHALL BE SUPPORTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE. HORIZONTAL WATER PIPES AND CONDENSATE DRAINS SHALL BE HUNG WITH SUPERSTRUT C-727-F ADJUSTABLE FELT-LINED PIPE HANGERS, THREADED ROD, AND BEAM ATTACHMENT BRACKETS, LOCATED AT SIX FOOT MAXIMUM INTERVALS. VERTICAL WATER PIPES AND CONDENSATE DRAINS SHALL BE SUPPORTED AT THEIR BASES AND AT EACH STORY OR AT TEN FOOT MAXIMUM INTERVALS, TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT SIX FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING. HORIZONTAL CAST IRON PIPING SHALL BE HUNG WITH SUPERSTRUT C-710 ADJUSTABLE CLEVIS HANGERS, THREADED ROD, AND BEAM ATTACHMENT BRACKETS, LOCATED AT FIVE FOOT MAXIMUM INTERVALS. TO PREVENT SWAYING, PROVIDE LATERAL BRACING AT FIVE FOOT INTERVALS ANCHORED TO OVERHEAD FRAMING. VERTICAL PIPING SHALL BE SUPPORTED AT EACH FLOOR WITH SUPERSTRUT C-720 RISER CLAMPS AND AT MIDSPAN WITH C-708 CLAMPS INTO SUPERSTRUT CHANNEL.

17. TESTING: ALL PIPING AND FIXTURES INSTALLED SHALL BE TESTED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2019 CALIFORNIA PLUMBING CODE AND THE LOCAL JURISDICTION.

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

19. WARRANTY: THE CONTRACTOR SHALL WARRANT THAT ALL SYSTEMS, SUBSYSTEMS, AND COMPONENT PARTS ARE FULLY FREE FROM DEFECTIVE DESIGN, MATERIALS, AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE BY THE OWNER.

20. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE SCHOOL DISTRICT PRIOR TO ACCEPTANCE OF THE PROJECT.

21. CLEANUP: CONTRACTOR SHALL THOROUGHLY CLEAN ENTIRE JOBSITE EVERY DAY OF ALL DEBRIS ASSOCIATED WITH PLUMBING INSTALLATION.

22. COORDINATION: CONTRACTOR SHALL COORDINATE WITH THE SCHOOL DISTRICT'S PROJECT MANAGER AND ALL RELATED TRADES.

23. DISINFECTION OF DOMESTIC WATER PIPING SYSTEM:
A. PRIOR TO STARTING WORK. VERIFY SYSTEM IS COMPLETE, FLUSHED AND CLEAN.
B. ENSURE PH OF WATER TO BE TREATED IS BETWEEN 7.4 AND 7.6 BY ADDING ALKALI (CAUSTIC SODA OR SODA ASH) OR ACID (HYDROCHLORIC).
C. INJECT DISINFECTANT, FREE CHLORINE IN LIQUID, POWDER, TABLET OR GAS FORM, THROUGHOUT SYSTEM TO OBTAIN 50 TO 80 mg/L RESIDUAL.
D. BLEED WATER FROM OUTLETS TO ENSURE DISTRIBUTION AND TEST FOR DISINFECTANT RESIDUAL AT MINIMUM 15 PERCENT OF OUTLETS.
E. MAINTAIN DISINFECTANT IN SYSTEM FOR 24 HOURS.
F. IF FINAL DISINFECTANT RESIDUAL TESTS LESS THAN 25 mg/L, REPEAT TREATMENT.
G. FLUSH DISINFECTANT FROM SYSTEM UNTIL RESIDUAL EQUAL TO THAT OF INCOMING WATER OR 1.0 mg/L.
H. TAKE SAMPLES NO SOONER THAN 24 HOURS AFTER FLUSHING, FROM 10 PERCENT OF OUTLETS AND FROM WATER ENTRY AND ANALYZE IN ACCORDANCE WITH AWWA C651.
I. PRIOR TO PLACING DOMESTIC WATER SYSTEM IN SERVICE FOR HUMAN CONSUMPTION, THE PLUMBING CONTRACTOR SHALL PROVIDE PROMPTLY TO THE OWNER AND ENGINEER THE WRITTEN TEST RESULTS.

PLUMBING SCHEDULE:

SYMBOL	WASTE	VENT	CW	HW	DESCRIPTION
WC 1	4	2	1-1/2	-	TOILET, WHITE VITREOUS CHINA, ELONGATED BOWL, WALL MOUNT. KOHLER "KINGSTON" K-4325 TOP SPUD , WITH BEMIS EXTRA HEAVY DUTY SOLID PLASTIC SEAT. W/ SLOAN SENSOR FLUSHOMETER MODEL SOLIS 8111 SOLAR POWERED W/ BACKUP BATTERY, 1.28 GPF. INSTALL ON JR SMITH OR ZURN FLOOR MOUNTED CARRIER, SEE ARCHITECTURAL PLANS FOR ADA COMPLIANT REQUIREMENTS FOR HEIGHTS AND LOCATIONS FOR EACH TOILET.
L 1	2	1-1/2	1/2	1/2	LAVATORY, WALL MOUNT, WHITE VITREOUS CHINA, KOHLER "KINGSTON" K2005, 4" CENTER HOLE. WITH SLOAN FAUCET EBF-650, 0.5 GPM. HOT & COLD, BATTERY POWERED, SENSOR ACTIVATED, WITH MIXING VALVE. PROVIDE TRUEBRO LAV SHIELD GUARD. SEE ARCHITECTURAL PLANS FOR ADA COMPLIANT REQUIREMENTS FOR HEIGHTS AND LOCATIONS FOR EACH LAVATORY. INSTALL ON JR SMITH OR ZURN FLOOR MOUNTED CARRIER.
U 1	2	1-1/2	1	-	URINAL, WHITE VITREOUS CHINA, WALL HUNG, KOHLER MODEL "DEXTER" MODEL K-5452, URINAL & FLUSHOMETER COMBO, 1/8 GALLON PER FLUSH , SLOAN SENSOR FLUSHOMETER MODEL SOLIS 8186 SOLAR POWERED W/ BACK UP BATTERY. INSTALL ON JR SMITH OR ZURN FLOOR MOUNTED CARRIER. SEE ARCHITECTURAL PLANS FOR ADA COMPLIANT INSTALLATION REQTS.
WHA 1	-	-	1	-	WATER HAMMER ARRESTOR. JR SMITH 5010, ZURN Z-1700 #200, OR EQUAL. LOCATE INSIDE WALL WITH 14"X16" JR SMITH 4730-U-NB, STAINLESS STEEL ACCESS COVER W/ VANDAL-PROOF SCREWS.
TP 1	-	-	1/2	-	TRAP PRIMER, MIFAB M-500. INSTALL IN COLD WATER LINE WITH 14"X16" JR SMITH 4730-U-NB STAINLESS STEEL ACCESS COVER. INSTALL W/ MI-DU DISTRIBUTION UNIT WHERE MULTIPLE TRAPS ARE SERVED.
FD 1	2	1-1/2"	1/2 (TP)	-	FLOOR DRAIN. JR SMITH MODEL #2005Y-B-P. ZURN MODEL #415 J OR EQUAL. WITH SQUARE TOP, NO HUB AND TRAP PRIMER CONNECTION.
DF 1	2	1-1/2"	1/2	-	DRINKING FOUNTAIN, HI LOW, HAWS MODEL 3612, OUTDOOR, HEAVY DUTY STAINLESS STEEL BOTTLE FILLER. NON-REFRIGERATED. SEE ARCHITECTURAL PLANS FOR LOCATIONS AND DETAILS. SHEET A-5.05
SOV 1					SHUT-OFF VALVE. NIBCO S-685-80-LF. 1/2" THRU 2". BRONZE BALL VALVE, FULL PORT, SOLDER END. T-FP-600A-LF, 2-1/2" & LARGER, BRASS BALL VALVE, FULL PORT, THREADED END. LOCATE IN RESTROOM CEILING BEHIND JR SMITH, 15x15, 4730-U-NP STAINLESS STEEL ACCESS COVER W/ VANDAL PROOF SCREWS, TO PROVIDE INDIVIDUAL RESTROOM ISOLATION FOR SERVICE. SIZE ON PLANS.

AIR DISTRIBUTION SCHEDULE

EAG	EXHAUST AIR GRILLE. TITUS MODEL 350ZR OR PAR WHITE SURFACE MOUNT. SEE SIZE ON PLANS. VERIFY SURFACE.

MEP COMPONENT ANCHORAGE NOTE

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

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

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC SECTIONS 1617A.1.24, 1617A.1.24, 1617A.1.25. AND 1617A.1.26.

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

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

MP ☐ MD ☐ PP ☒ E ☐ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #)
#_____.

SYMBOL LEGEND

CW	COLD WATER
HW	HOT WATER
COND.	CONDENSATE
WCO	WALL CLEAN-OUT
COTG	CLEAN OUT TO GRADE
VTR	VENT TO ROOF
	FLOOR DRAIN
	WALL CLEAN OUT
	FLOOR CLEAN OUT
	COTG IN YARD BOX
	FLOOR SINK
	WATER HAMMER ARRESTOR
	HOSE BIB
	SHUT-OFF VALVE (SOV)
	P.O.D. POINT OF DISCONNECTION
	P.O.C. POINT OF CONNECTION

LINE LEGEND

	COLD WATER
	HOT WATER
	VENT
	DEMO WASTE
EW EW EW	EXIST WASTE
	NEW WASTE
G	GAS
COND COND	CONDENSATE

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
MOORPARK OXNARD VENTURA

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

COMMISSIONED ARCHITECT

AMADOR

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28328 AGOURA RD. 203 | AGOURA HILLS CA, 91301 | 805-558-4334

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
HUGH A. McTERNAN
M030626
Renn. 6/30/2024
MECHANICAL
STATE OF CALIFORNIA

SHEET TITLE:

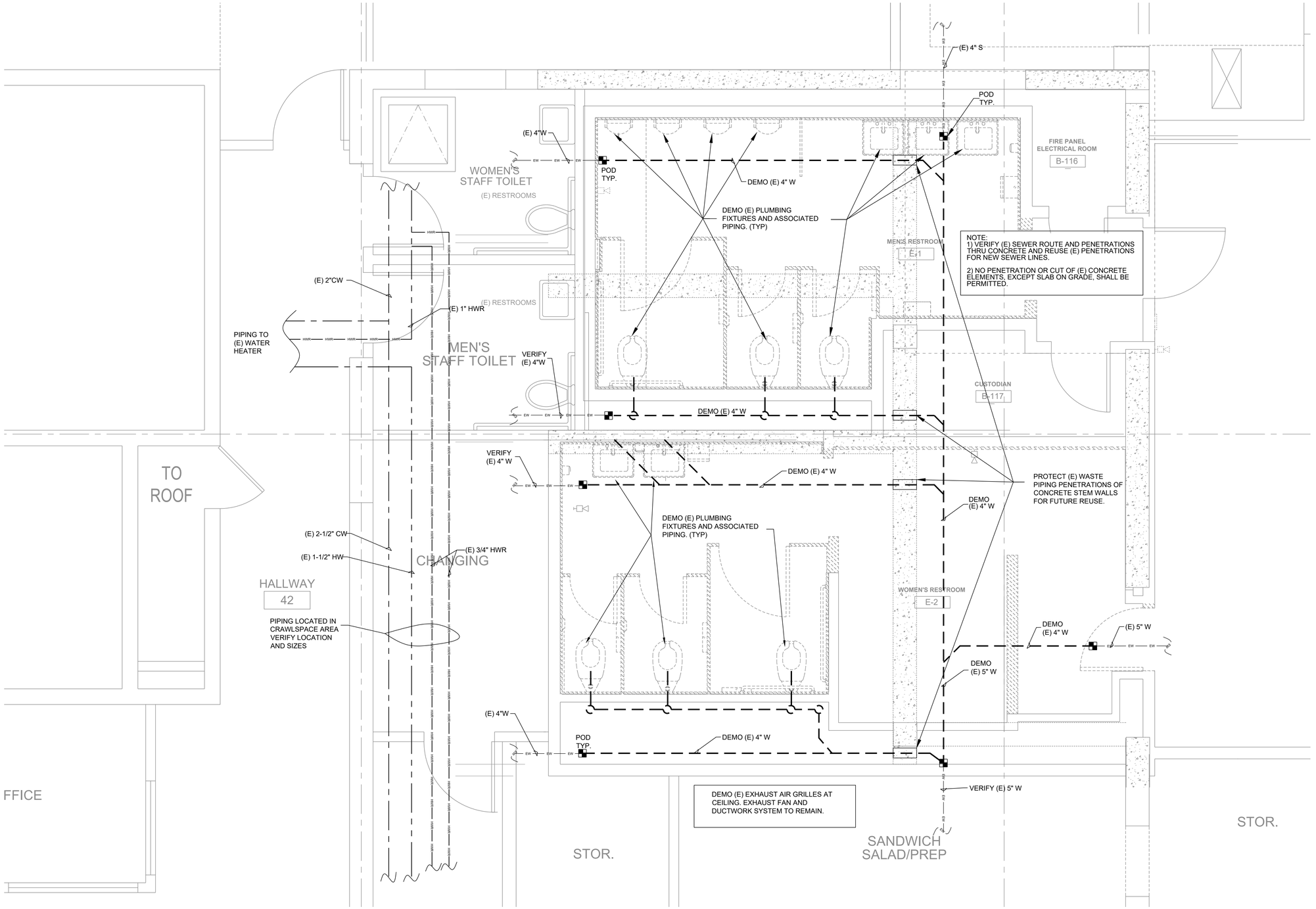
NOTES
AND SCHEDULES

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	AMADOR
DRAWN:	JS	CHECKED:	HM/PW

SHEET NUMBER:

P1.01

DATE:	01-27-2023	SHEET:	___ OF ___



1 Restroom Plumbing Demolition Plan

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

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

LICENSED ARCHITECT JEAN ANN AMADOR C-22205 STATE OF CALIFORNIA

COMMISSIONED ARCHITECT

AMADOR

amador whittle architects, inc.
28328 AGOURA RD, 203 | AGOURA HILLS CA, 91301 | 805-558-4334

CONSULTANT

AE Group
Mechanical Engineers
838 East Front Street
Ventura, California 93001-2925
(805) 653-1722
hugh@aegroupme.com

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNAN M030626 Ren. 6/30/2024 MECHANICAL STATE OF CALIFORNIA

SHEET TITLE:

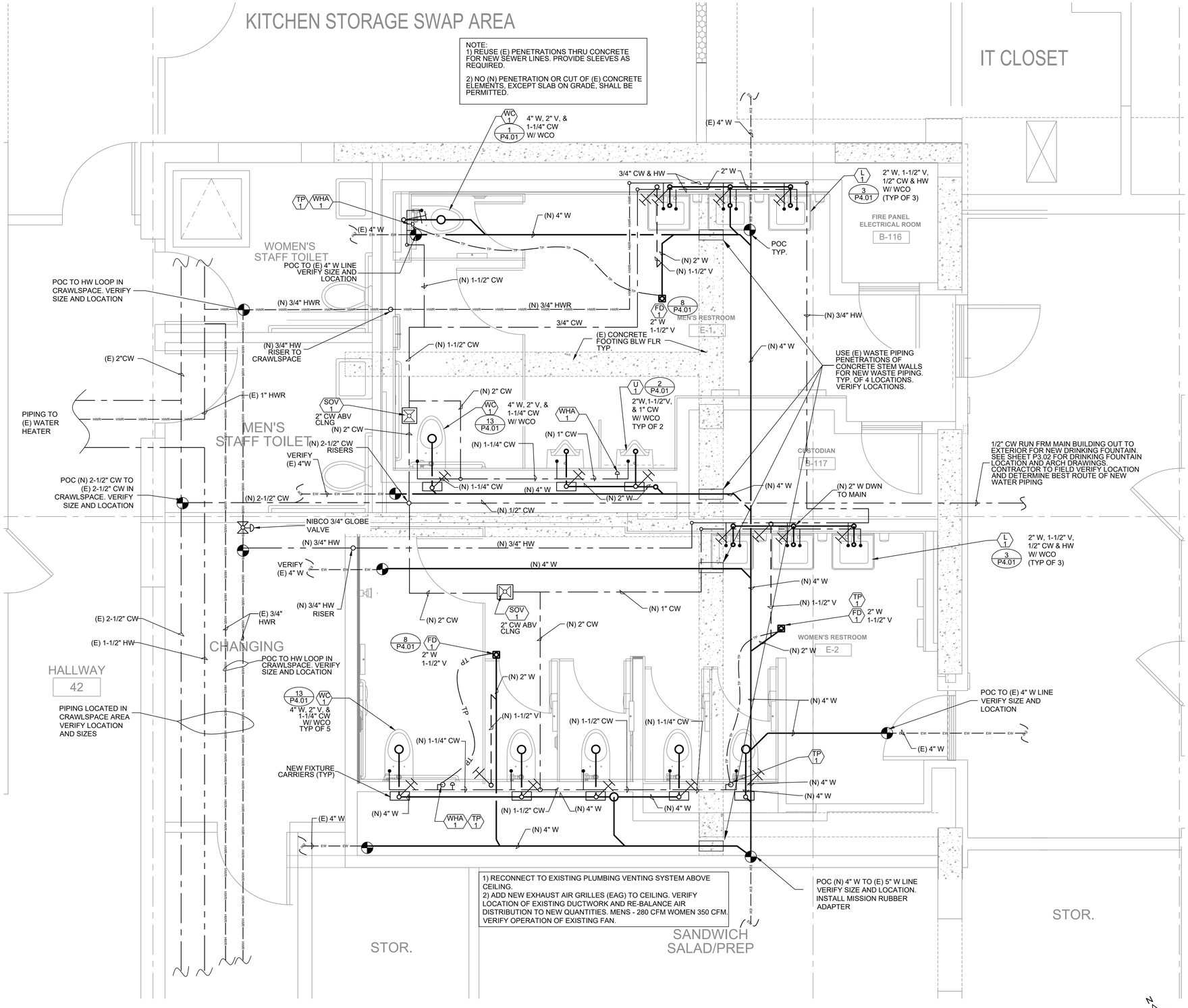
RESTROOM PLUMBING DEMOLITION PLAN

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: AMADOR
DRAWN: JS	CHECKED: HM/PW

SHEET NUMBER:

P2.01

DATE: 01-27-2023 | SHEET: ___ OF ___



1 Restroom Plumbing Floor Plan

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

DIVISION OF THE STATE ARCHITECT

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DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
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DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

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CAMARILLO, CALIFORNIA 93010
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PROJECT TITLE AND SCHOOL LOCATION

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hugh@aegroupme.com

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNAN M030626 Ren. 6/30/2024 MECHANICAL STATE OF CALIFORNIA

SHEET TITLE:

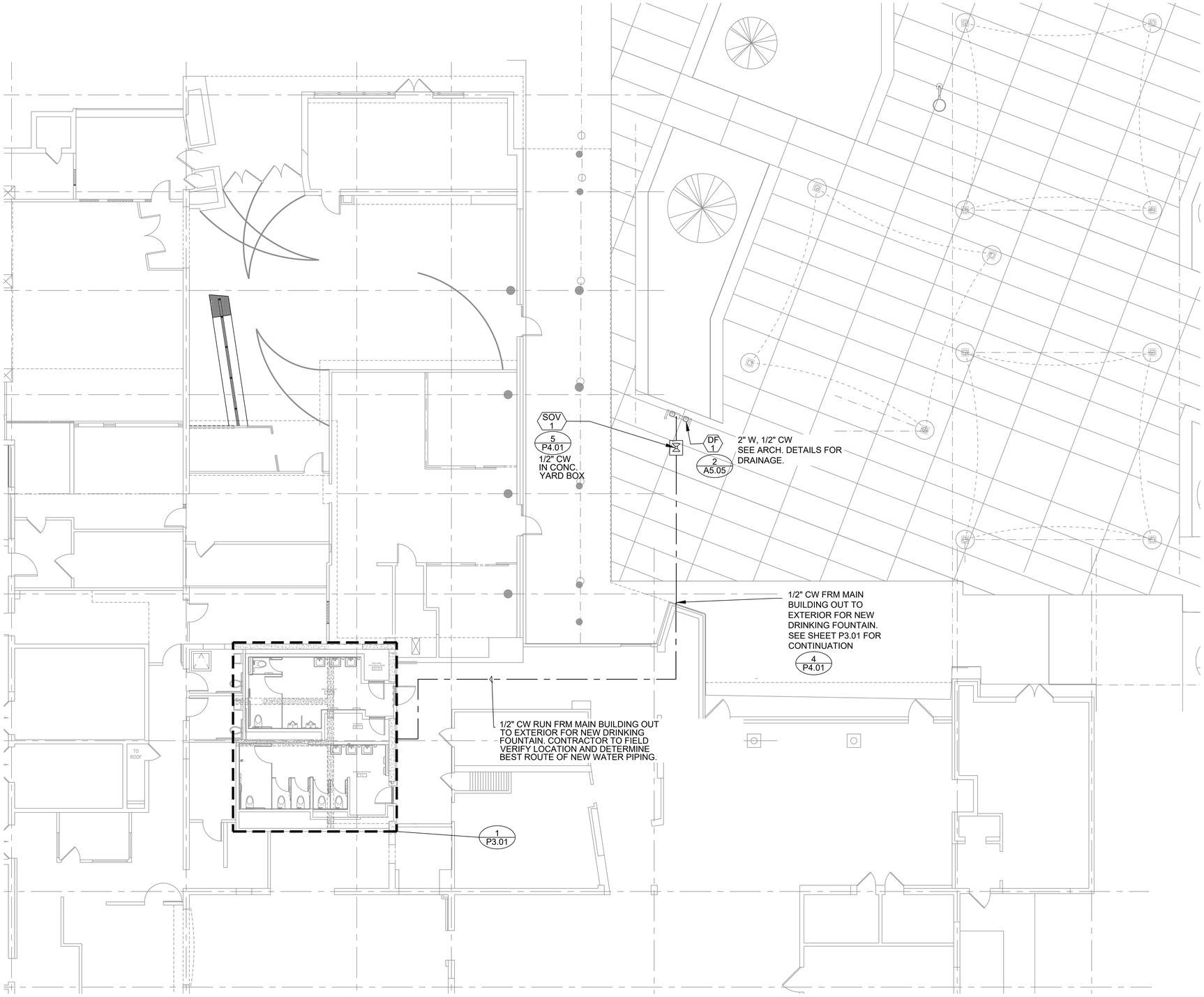
RESTROOM PLUMBING FLOOR PLAN

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: AMADOR
DRAWN: JS	CHECKED: HM/PW

SHEET NUMBER:

P3.01

DATE: 01/24/2023 SHEET: ___ OF ___



1 Plumbing Site Plan (Water for Drinking Fountain)

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

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
Ventura Community College
4667 Telegraph Road
Ventura, CA 93003

LICENSED ARCHITECT
JEAN ANN AMADOR
C-22205
STATE OF CALIFORNIA

COMMISSIONED ARCHITECT

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(805) 653-1722
hugh@aegroupme.com

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
HUGH A. McTERNAN
M030626
Ren. 6/30/2024
MECHANICAL
STATE OF CALIFORNIA

SHEET TITLE:

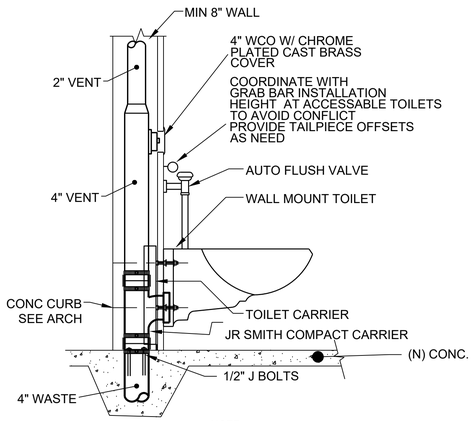
PLUMBING SITE PLAN

PROJECT NO.:	22-VCCCD-13	PROJECT ARCH:	AMADOR
DRAWN:	JS	CHECKED:	HM/PW

SHEET NUMBER:

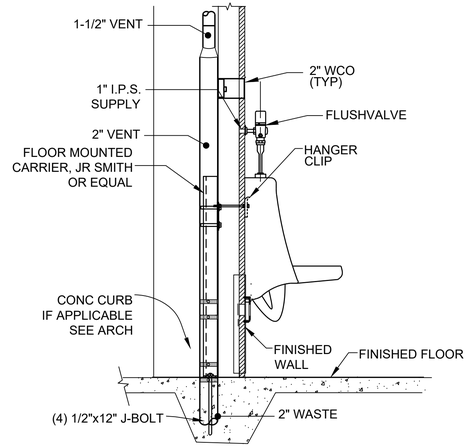
P3.02

DATE: 01/24/2023 SHEET: ___ OF ___



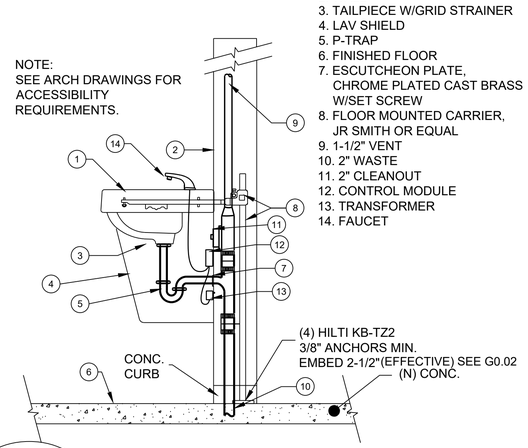
1 P4.01 TYPICAL WATER CLOSET DETAIL

SCALE: NO SCALE



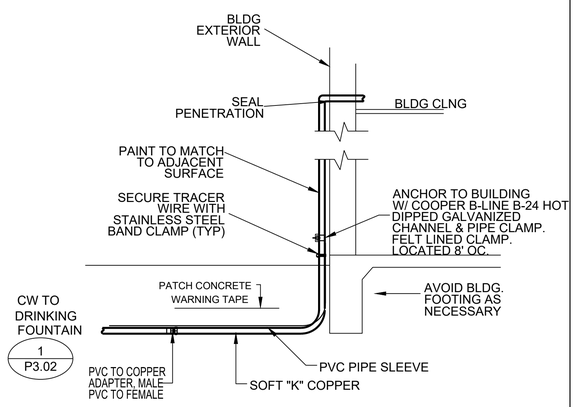
2 P4.01 TYPICAL URINAL DETAIL

SCALE: NO SCALE



3 P4.01 TYPICAL LAVATORY DETAIL

SCALE: NO SCALE



4 P4.01 WATER PIPE AT EXTERIOR WALL DETAIL

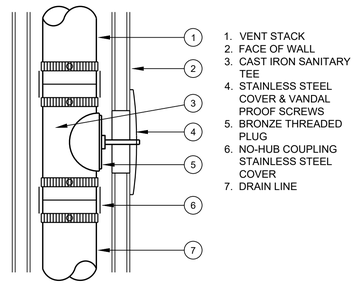
SCALE: NO SCALE

DETAIL NOTES

1. FINISHED SURFACE SEE ARCH
2. PRE-CAST CONCRETE BOX WITH CAST IRON COVER. LABEL THE COVER "WATER".
3. 18" x 18" CAST CONC. AROUND IN UNPAVED AREA.
4. 1/2"/FT SLOPE.
5. FINISHED GRADE.
6. VIT CLAY OR PVC EXTENSION SLEEVE.
7. UNION.

5 P4.01 SOV-1 IN YARD BOX DETAIL

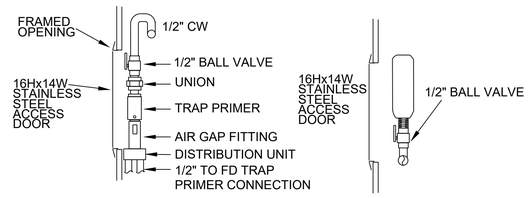
SCALE: NO SCALE



1. VENT STACK
2. FACE OF WALL
3. CAST IRON SANITARY TEE
4. STAINLESS STEEL COVER & VANDAL PROOF SCREWS
5. BRONZE THREADED PLUG
6. NO-HUB COUPLING STAINLESS STEEL COVER
7. DRAIN LINE

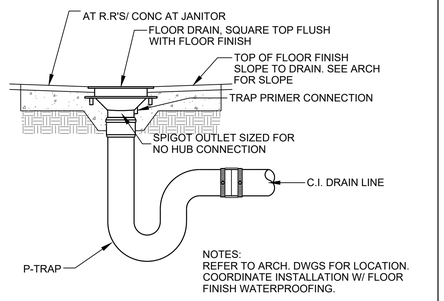
6 P4.01 TYPICAL WALL CLEAN OUT DETAIL

SCALE: NO SCALE



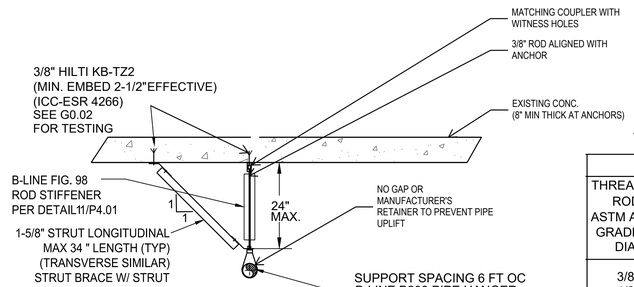
7 P4.01 TYPICAL TRAP PRIMER & WATER HAMMER ARRESTOR DETAIL

SCALE: NO SCALE



8 P4.01 TYPICAL FLOOR DRAIN DETAIL

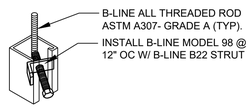
SCALE: NO SCALE



10 P4.01 TYPICAL PIPE SUPPORT DETAIL

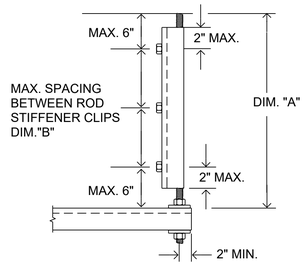
SCALE: NO SCALE

B-LINE SEISMIC BRACING AND SUPPORT SYSTEMS OPM-0052-13



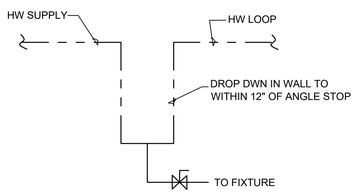
THREADED ROD STIFFENER

ROD STIFFENER CHART		
THREADED ROD ASTM A307-GRADE A DIA.	DIM. "A" MAX. ROD LENGTH WITHOUT STIFFENER	DIM. "B" MAX. SPACING BETWEEN ROD STIFFENER
3/8"	16"	13"
1/2"	22"	18"
5/8"	28"	23"
3/4"	34"	28"
7/8"	40"	33"
1"	46"	38"



11 P4.01 TYPICAL ROD STIFFENER DETAIL

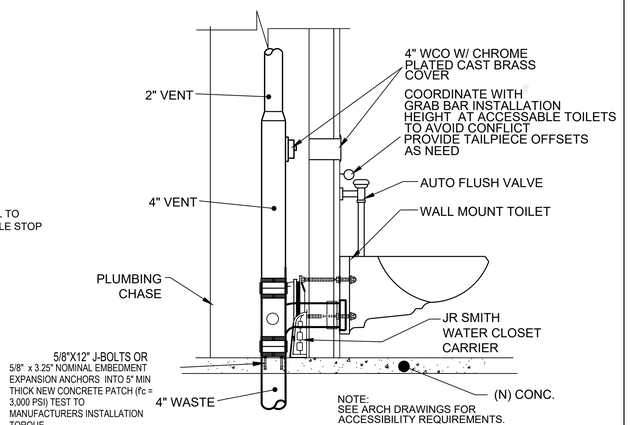
SCALE: NO SCALE



TYPICAL HOT WATER TO FIXTURE LOOP DETAIL

12 P4.01 TYPICAL HOT WATER LOOP DETAIL

SCALE: NO SCALE



13 P4.01 TYPICAL WATER CLOSET IN PLUMBING CHASE DETAIL

SCALE: NO SCALE

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

CAMPUS STUDENT CENTER
"CSC" PLAZA A#03-122792
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hugh@aegroupme.com

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER HUGH A. McTERNAN M030626 Ren. 6/30/2024 MECHANICAL STATE OF CALIFORNIA

SHEET TITLE:

PLUMBING DETAILS

PROJECT NO.: 22-VCCCD-13	PROJECT ARCH: AMADOR
DRAWN: JS	CHECKED: HM/PW

SHEET NUMBER:

P4.01

DATE: 01-27-2023 SHEET: ___ OF ___

USASHADE & Fabric Structures®

FABRIC SHADE STRUCTURE
DSA P.C. 04-119455

SITE SPECIFIC APPLICATION SITE PLAN SHALL INCLUDE:

1. ACTUAL DIMENSIONS OF SHADE STRUCTURES.
2. DIMENSIONS FROM ADJACENT STRUCTURES AND PROXIMITY OF ASSUMED OR ACTUAL PROPERTY LINES.
3. PROVIDE CODE ANALYSIS INCLUDING ACTUAL SHADE STRUCTURE AREA (SQ. FT.), OCCUPANCY TYPE (A-3), AND TYPE OF CONSTRUCTION (V-B). INDICATE OCCUPANT LOAD FACTOR per 2019 CBC, SECTION 1004.
4. INDICATE LOCATIONS OF FIRE EXTINGUISHER WITHIN 75 FEET.
5. SHOW LOCATIONS OF AUDIBLE FIRE ALARM.
6. INDICATE DIMENSIONS FROM THE ROOF TO THE HIGHER STRUCTURE OR TERRAIN FEATURE. MINIMUM DIMENSION OF 20' FOR SNOW LOAD MODEL (ASCE 7-16).
7. ACTUAL SITE ELEVATION (FT.) TO DETERMINE SITE OCCURS AT OR BELOW THE UPPER ELEVATION LIMIT FOR THE GROUND SNOW LOAD SHOWN IN ASCE 7-16 (FOR SNOW LOAD MODEL).
8. FOR RECESSED BASE PLATE (RBP) OPTION: ARCHITECT/ENGINEER OF RECORD TO SPECIFY THE LOWEST ANTICIPATED SERVICE TEMPERATURE (LAST). AS DEFINED IN AISC 341-10 SECTION A.3.4b, A4.1 AND A4.2 PER NOTE ON EACH INDIVIDUAL MODEL ENGINEERING DRAWING WHICH RELATES TO DEMAND CRITICAL WELD AND "L.A.S.T." TEMPERATURE (EITHER STRUCTURAL STEEL NOTE #14).
9. COMPLETE SCOPE OF WORK INCLUDING THE SHADE STRUCTURE MODEL NUMBER, P.C. NUMBER, AND SPECIFIC SIZE OF SHADE STRUCTURE.
10. ALL SADDLES, CLAMPS AND FITTINGS SHALL CONFORM TO THE GUIDELINES AS SPECIFIED IN APPENDICES "A, B & C" RESPECTIVELY IN ASCE 19-16, "STRUCTURAL APPLICATIONS OF STEEL CABLES FOR BUILDINGS."
11. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN MAPPED GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.
12. ARCHITECTS OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN A MAPPED FIRE HAZARD SEVERITY ZONE OR WILDLAND INTERFACE AREA.

GENERAL NOTES

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USASHADE & Fabric Structures®
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community College District

PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003

MODEL NUMBER:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119455 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 03/26/2021

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE: D

PRE-CHECK (PC) DOCUMENT
Code : 2019 CBC
A separate project application for construction is required.

Eng. By :	DWH	09/18/20
Design By :	DWH	09/18/20
Approved By :	DWH	09/18/20

DRAWING DESCRIPTION:
P.C. TITLE SHEET

DWG.

SHEET
P.C. T-1.0

REV.

SITE SPECIFIC APPLICATION TITLE SHEET SHALL INCLUDE:

PARTIAL LIST OF APPLICABLE CODES

- 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 C.C.R.
- 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE VOLUMES 1-2 AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA ELECTRICAL CODE (CEC) , PART 3, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 C.C.R. (2018 IAPMO UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R. (2018 IAPMO UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R.
- 2019 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 C.C.R. (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2019 CALIFORNIA AMENDMENTS)
- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 C.C.R.
- 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 C.C.R.
- TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
- 2016 ASME A17.1/CSA B44-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS (PER 2019 CBC, PART 2, CHAPTER 35)

NOTE: CAL/OSHA ELEVATOR UNIT ENFORCES C.C.R. TITLE 8 AND USES THE 2004 ASME A17.1 BY ADOPTION

PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 13	STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)	2016 EDITION
NFPA 14	STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS	2016 EDITION
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20	STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2016 EDITION
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 EDITION
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES	2016 EDITION
NFPA 72	NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)	2016 EDITION
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2016 EDITION
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2015 EDITION
UL 300	STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT	2005 (R2010)
UL 464	AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	2003 EDITION
UL521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	1999 EDITION
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	2002 (R2010)
ICC 300	SANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING AND GRANDSTANDS	2017 EDITION

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2019 CBC (SFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

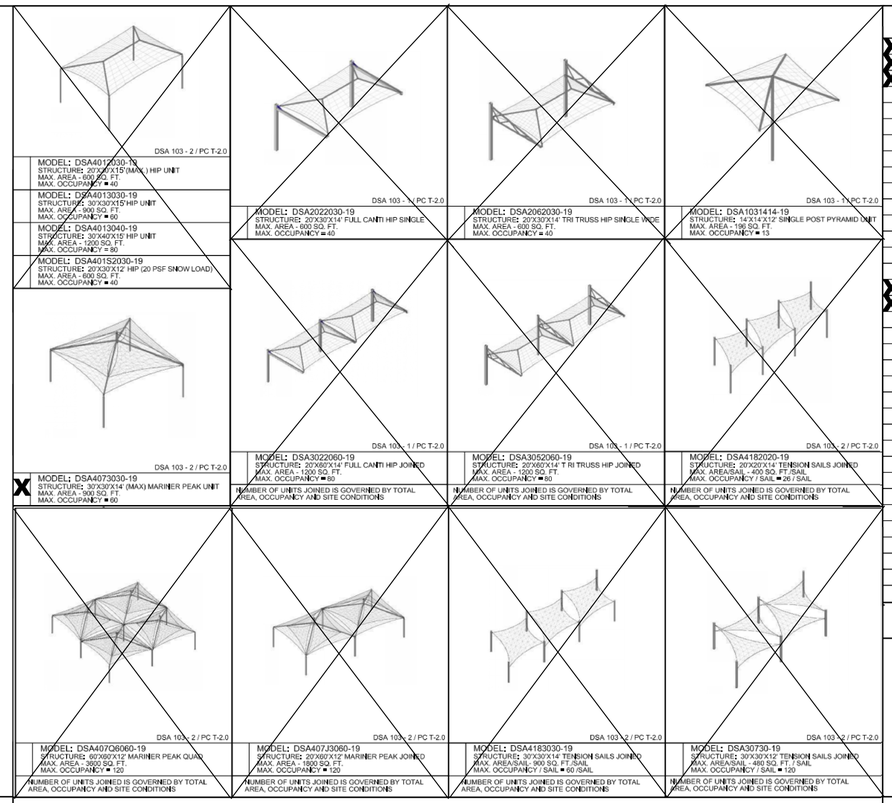
SEE CALIFORNIA BUILDING CODE, CHAPTER 35, FOR STATE OF CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS.

SEE INDIVIDUAL STRUCTURAL DRAWINGS FOR SPECIFIC DESIGN NOTES AND LOADING.

ALL WORK SHALL CONFORM TO 2019 EDITION TITLE 24, CALIFORNIA CODE OF REGULATIONS (C.C.R.).

ALL WORK SHALL BE IN COMPLIANCE WITH CFC CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION.

BUILDING CODE DATA



UNIT SELECTION AND DESCRIPTION

	DRAWING NUMBER	DRAWING DESCRIPTION	STRUCTURE TYPE	MAX SIZE	MODEL NUMBER
X	P.C. T-1.0	P.C. TITLE SHEET			
X	P.C. T-2.0	DSA 103 SAMPLE FORM			
X	P.C. T-2.1	DSA 103 SAMPLE FORM			
	P.C. T-3.0	DSA 103 SAMPLE FORM			
	P.C. T-3.1	DSA 103 SAMPLE FORM			
	1.1-1000	PRODUCT INFORMATION	HIP	20 X 30	DSA4012030-19
	1.2-2000	REACTIONS	HIP	20 X 30	DSA4012030-19
	2.1-1000	PRODUCT INFORMATION	HIP	30 X 30	DSA4013030-19
	2.2-2000	REACTIONS	HIP	30 X 30	DSA4013030-19
	3.1-1000	PRODUCT INFORMATION	HIP	30 X 40	DSA4013040-19
	3.2-2000	REACTIONS	HIP	30 X 40	DSA4013040-19
	4.1-1000	PRODUCT INFORMATION	HIP (20# SNOW LOAD)	20 X 30	DSA401S2030-19
	4.2-2000	REACTIONS	HIP (20# SNOW LOAD)	20 X 30	DSA401S2030-19
	5.1-1000	PRODUCT INFORMATION	SINGLE POST PYRAMID	14 X 14	DSA1031414-19
	5.2-2000	REACTIONS	SINGLE POST PYRAMID	14 X 14	DSA1031414-19
X	6.1-1000	PRODUCT INFORMATION	MARINER	30 X 30	DSA4073030-19
X	6.2-2000	REACTIONS	MARINER	30 X 30	DSA4073030-19
	7.1-1000	PRODUCT INFORMATION	JOINED MARINER	30 X 200	DSA407J3060-19
	7.2-2000	REACTIONS	JOINED MARINER	30 X 200	DSA407J3060-19
	8.1-1000	PRODUCT INFORMATION	QUAD MARINER	60 X 60	DSA407Q6060-19
	8.2-2000	REACTIONS	QUAD MARINER	60 X 60	DSA407Q6060-19
	9.1-1000	PRODUCT INFORMATION	FULL CANTILEVER	20 X 30	DSA2022030-19
	9.2-2000	REACTIONS	FULL CANTILEVER	20 X 30	DSA2022030-19
	10.1-1000	PRODUCT INFORMATION	FULL CANTILEVER JOINED	20 X 300	DSA3022060-19
	10.2-2000	REACTIONS	FULL CANTILEVER JOINED	20 X 300	DSA3022060-19
	11.1-1000	PRODUCT INFORMATION	TRI TRUSS CANTILEVER	20 X 30	DSA2062030-19
	11.2-2000	REACTIONS	TRI TRUSS CANTILEVER	20 X 30	DSA2062030-19
	12.1-1000	PRODUCT INFORMATION	TRI TRUSS CANTILEVER JOINED	20 X 300	DSA3052060-19
	12.2-2000	REACTIONS	TRI TRUSS CANTILEVER JOINED	20 X 300	DSA3052060-19
	13.1-1000	PRODUCT INFORMATION	THREE POINT SAILS	30 X 200	DSA30730-19
	13.2-2000	REACTIONS	THREE POINT SAILS	30 X 200	DSA30730-19
	14.1-1000	PRODUCT INFORMATION	FOUR-POINT SAILS	20 X 300	DSA4182020-19
	14.2-2000	REACTIONS	FOUR-POINT SAILS	20 X 300	DSA4182020-19
	15.1-1000	PRODUCT INFORMATION	FOUR POINT SAILS	30 X 200	DSA4183030-19
	15.2-2000	REACTIONS	FOUR POINT SAILS	30 X 200	DSA4183030-19

SHEET INDEX - P.C. DRAWINGS

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12/04/2020

ENGINEER OF RECORD

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2019 CBC

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

2019 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2019 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required	**GE** – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative.
Periodic – Indicates that a periodic special inspection is required	**LOR** – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335.
Test – Indicates that a test is required	**PI** – Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA.
	SI – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

Geotechnical Reports: Project does NOT have and does NOT require a geotechnical report

	1. GENERAL:	Table 1705A.6		
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	a. Verify that: • Site has been prepared properly prior to placement of controlled fill and/or excavations for foundations. • Foundation excavations are extended to proper depth and have reached proper material. • Materials below footings are adequate to achieve the design bearing capacity.	**See Notes**	**PI**	Refer to specific items identified in the Appendix listing exemptions for limitations. Placement of controlled fill exceeding 12" depth under foundations is not permitted without a geotechnical report.

	2. SOIL COMPACTION AND FILL:	Table 1705A.6		
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	a. Verify use of proper materials, densities and inspect lift thicknesses, placement and compaction during placement of fill.	**Continuous**	**LOR***	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	b. Compaction testing.	**Test**	**LOR***	* Under the supervision of a geotechnical engineer or LOR's engineering manager. Refer to specific items identified in the Appendix listing exemptions for limitations.

	3. DRIVEN DEEP FOUNDATIONS (PILES):	Table 1705A.7

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

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	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Placement, compaction and inspection of backfill.	**Continuous**	**GE***	**1705A.6.1**, * By geotechnical engineer or his or her qualified representative. (See Section 2 above).
☐	b. Placement of soil reinforcement and/or drainage devices.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. See DSA IR 16-3.
☐	d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐	e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

	4. CAST-IN-PLACE DEEP FOUNDATIONS (PIERS):	Table 1705A.8		
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

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☑	a. Inspect drilling operations and maintain complete and accurate records for each pier.	**Continuous**	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	b. Verify pier locations, diameters, plumbness and lengths./Record concrete or grout volumes.	**Continuous**	PI	Continuous inspection to be provided by project inspector. Refer to specific items identified in the Appendix listing exemptions for limitations.
☑	c. Concrete piers.	Provide tests and inspections per CONCRETE section below.		

	5. RETAINING WALLS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Placement, compaction and inspection of backfill.	**Continuous**	**GE***	**1705A.6.1**, * By geotechnical engineer or his or her qualified representative. (See Section 2 above).
☐	b. Placement of soil reinforcement and/or drainage devices.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	c. Segmental retaining walls; inspect placement of units, dowels, connectors, etc.	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative. See DSA IR 16-3.
☐	d. Concrete retaining walls.	Provide tests and inspections per CONCRETE section below.		
☐	e. Masonry retaining walls.	Provide tests and inspections per MASONRY section below.		

	6. OTHER SOILS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (SOILS), 2019 CBC

Application Number: 04-119455 **DSA File Number:**
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☐	a. Soil Improvements	**Test**	**GE***	Submit a comprehensive report documenting final soil improvements constructed, construction observation and the results of the confirmation testing and analysis to CGS for final acceptance. * By geotechnical engineer or his or her qualified representative.
☐	b. Inspection of Soil Improvements	**Continuous**	**GE***	* By geotechnical engineer or his or her qualified representative.
☐	c.			

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

Table 1705A.3; ACI 318-14 Sections 26.12 & 26.13

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Sample and test prestressing tendons and anchorages.	**Test**	**LOR**	**1705A.3.4**, **1910A.3**
☐	b. Inspect placement of prestressing tendons.	**Periodic**	**SI**	**1705A.3.4**, **Table 1705A.3 Items 1 & 9.**
☐	c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	**Periodic**	**SI**	**Table 1705A.3 Item 11**, Special inspector to verify specified concrete strength test prior to stressing.
☐	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	**Continuous**	**SI**	**1705A.3.4**, **Table 1705A.3 Item 9**; ACI 318-14 Section 26.13

	7. CAST-IN-PLACE CONCRETE			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
	Material Verification and Testing:			
☑	a. Verify use of required design mix.	**Periodic**	**SI**	**Table 1705A.3 Item 5, 1910A.1.**
☑	b. Identify, sample, and test reinforcing steel.	**Test**	**LOR**	**1910A.2**; ACI 318-14 Section 26.6.1.2; DSA IR 17-10. (See Appendix for exemptions.)
☑	c. During concrete placement, fabricate specimens for strength tests, perform slump and air content tests, and determine the temperature of the concrete.	**Test**	**LOR**	**Table 1705A.3 Item 6**; ACI 318-14 Sections 26.5 & 26.12.
☑	d. Test concrete (f'c).	**Test**	**LOR**	**1905A.1.15**; ACI 318-14 Section 26.12.
	Inspection:			
☑	e. Batch plant inspection: **Periodic**	**See Notes**	**SI**	Default of '**Continuous**' per **1705A.3.3.** If approved by DSA, batch plant inspection may be reduced to '**Periodic**' subject to requirements in Section **1705A.3.3.3.**, or eliminated per **1705A.3.3.2.** (See Appendix for exemptions.)
☐	f. Welding of reinforcing steel.	Provide special inspection per STEEL, Category 19.1(d) & (e) and/or 19.2(g) & (h) below.		

	8. PRESTRESSED / POST-TENSIONED CONCRETE (in addition to Cast-in-Place Concrete tests and inspections):

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

Table 1705A.3; ACI 318-14 Sections 26.12 & 26.13

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Sample and test prestressing tendons and anchorages.	**Test**	**LOR**	**1705A.3.4**, **1910A.3**
☐	b. Inspect placement of prestressing tendons.	**Periodic**	**SI**	**1705A.3.4**, **Table 1705A.3 Items 1 & 9.**
☐	c. Verify in-situ concrete strength prior to stressing of post-tensioning tendons.	**Periodic**	**SI**	**Table 1705A.3 Item 11**, Special inspector to verify specified concrete strength test prior to stressing.
☐	d. Inspect application of post-tensioning or prestressing forces and grouting of bonded prestressing tendons.	**Continuous**	**SI**	**1705A.3.4**, **Table 1705A.3 Item 9**; ACI 318-14 Section 26.13

	9. PRECAST CONCRETE (in addition to Cast-in-Place Concrete tests and inspections):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Inspect fabrication of precast concrete members.	**Continuous**	**SI**	ACI 318-14 Section 26.13.
☐	b. Inspect erection of precast concrete members.	**Periodic**	**SI***	**Table 1705A.3 Item 10.** * May be performed by PI when specifically approved by DSA.

	10. SHOTCRETE (in addition to Cast-in-Place Concrete tests and inspections):			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Concrete), 2019 CBC

Table 1705A.3; ACI 318-14 Sections 26.12 & 26.13

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☐	a. Inspect shotcrete placement for proper application techniques.	**Continuous**	**SI**	**1705A.19**, Table **1705A.3 Item 7**, **1908A.6**, **1908A.7**, **1908A.8**, **1908A.9**, **1908A.11**, **1908A.12**. See ACI 506.2-13 Section 3.4, ACI 506R-16.
☐	b. Sample and test shotcrete (f'c).	**Test**	**LOR**	**1908A.5**, **1908A.10**.

	11. POST-INSTALLED ANCHORS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Inspect installation of post-installed anchors	**See Notes**	**SI**	**1617A.1.19**, **Table 1705A.3 Item 4a (Continuous) & 4b (Periodic)**, 1705A.3.8 (See Appendix for exemptions). ACI 318-14 Sections 17.8 & 26.13.* May be performed by the project inspector when specifically approved by DSA.
☐	b. Test post-installed anchors.	**Test**	**LOR**	**1910A.5.** (See Appendix for exemptions.)

	12. OTHER CONCRETE:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a.			

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

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☑	b. Test high-strength bolts, nuts and washers.	**Test**	**LOR**	**Table 1705A.2.1 Item 1c, 2213A.1**; RCSC 2014 Section 7.2; DSA IR 17-8.
	Inspection of High-Strength Bolt Installation:			
☐	c. Bearing-type ("snug tight") connections.	**Periodic**	**SI**	**Table 1705A.2.1 Item 2a, 1705A.2.6, 2204A.2**; AISC 360-16 J3.1, J3.2, M2.5 & N5.6; RCSC 2014 Section 9.1; DSA IR 17-9.
☑	d. Pretensioned and slip-critical connections.	"	**SI**	**Table 1705A.2.1 Items 2b & 2c, 1705A.2.6, 2204A.2**; AISC 360-16 J3.1, J3.2, M2.5 & N5; RCSC 2014 Sections 9.2 & 9.3; DSA IR 17-9. " "Continuous" or "Periodic" depends on the tightening method used.

	13. WELDING:			
		1705A.2.5, Table 1705A.2.1 Items 4 & 5; AWS D1.1 and AWS D1.8 for structural steel; AWS D1.2 for Aluminum; AWS D1.3 for cold-formed steel; AWS D1.4 for reinforcing steel; DSA IR 17-3 (See Appendix for exemptions.)		
	Verification of Materials, Equipment, Welders, etc.:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	a. Verify weld filler material identification markings per AWS designation listed on the DSA-approved documents and the WPS.	**Periodic**	**SI**	DSA IR 17-3.
☑	b. Verify weld filler material manufacturer's certificate of compliance.	**Periodic**	**SI**	DSA IR 17-3.
☑	c. Verify WPS, welder qualifications and equipment.	**Periodic**	**SI**	DSA IR 17-3.

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

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	19.1 SHOP WELDING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4**; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☑	b. Inspect single-pass fillet welds ≤ 5/16", floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2**, **Table 1705A.2.1 Items 5a.5 & 5a.6**; AISC 360-16 (and AISC 341-16 as applicable); DSA IR 17-3.
☐	c. Inspect welding of stairs and railing systems.	**Periodic**	**SI**	**1705A.2.1**; AISC 360-16 (and AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3.
☐	d. Verification of reinforcing steel weldability other than ASTM A706.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	e. Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8**; AWS D1.4; DSA IR 17-3.

	19.2 FIELD WELDING:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Inspect groove welds, multi-pass fillet welds, single pass fillet welds > 5/16", plug and slot welds.	**Continuous**	**SI**	**Table 1705A.2.1 Items 5a.1–4**; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.
☐	b. Inspect single-pass fillet welds ≤ 5/16".	**Periodic**	**SI**	**Table 1705A.2.1 Item 5a.5**; AISC 360-16 (AISC 341-16 as applicable); DSA IR 17-3.

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

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	17. STRUCTURAL STEEL, COLD-FORMED STEEL AND ALUMINUM USED FOR STRUCTURAL PURPOSES			
	Material Verification and Testing:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	a. Verify identification of all materials and: • Mill certificates indicate material properties that comply with requirements. • Material sizes, types and grades comply with requirements.	**Periodic**	**SI***	**Table 1705A.2.1 Item 3a–3c**, 2202A.1; AISI S100-16 Section A3.1 & A3.2, AISI S240-15 Section A3 & A5, AISI S220-15 Sections A4 & A6. * By special inspector or qualified technician when performed off-site.
☑	b. Test unidentified materials	**Test**	**LOR**	**2202A.1.**
☑	c. Examine seam welds of HSS shapes	**Periodic**	**SI**	DSA IR 17-3.
	Inspection:			
☑	d. Verify and document steel fabrication per DSA-approved construction documents.	**Periodic**	**SI**	Not applicable to cold-formed steel light-frame construction, except for trusses (**1705A.2.4**).

	18. HIGH-STRENGTH BOLTS: RCSC 2014			
	Material Verification and Testing of High-Strength Bolts, Nuts and Washers:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☑	a. Verify identification markings and manufacturer's certificates of compliance conform to ASTM standards specified in the DSA-approved documents.	**Periodic**	**SI**	**Table 1705A.2.1 Items 1a & 1b, 2202A.1**; AISC 360-16 Section A3.3, J3.1, and N3.2; RCSC 2014 Section 1.5 & 2.1; DSA IR 17-8 & DSA IR 17-9.

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

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☐	c. Inspect end-welded studs (ASTM A-108) installation (including bend test).	**Periodic**	**SI**	**2213A.2**; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1; DSA IR 17-3.
☐	d. Inspect floor and roof deck welds.	**Periodic**	**SI**	**1705A.2.2**, **Table 1705A.2.1 Item 5a.6**; AISC 360-16 (AISC 341-16 as applicable); AWS D1.3; DSA IR 17-3.
☐	e. Inspect welding of structural cold-formed steel.	**Periodic**	**SI***	**1705A.2.5**; **AWS D1.3**; **DSA IR 17-3.** The quality control provisions of AISI S240-15 Chapter D shall also apply. * May be performed by the project inspector when specifically approved by DSA.
☐	f. Inspect welding of stairs and railing systems.	**Periodic**	**SI***	**1705A.2.1**; AISC 360-16 (AISC 341-16 as applicable); AWS D1.1 & D1.3; DSA IR 17-3. * May be performed by the project inspector when specifically approved by DSA.
☐	g. Verification of reinforcing steel weldability.	**Periodic**	**SI**	**1705A.3.1**; AWS D1.4; DSA IR 17-3. Verify carbon equivalent reported on mill certificates.
☐	h. Inspect welding of reinforcing steel.	**Continuous**	**SI**	**Table 1705A.2.1 Item 5b, 1705A.3.1, Table 1705A.3 Item 2, 1903A.8**; AWS D1.4; DSA IR 17-3.

	20. NONDESTRUCTIVE TESTING: **1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16**			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Ultrasonic	**Test**	**LOR**	**1705A.2.1, 1705A.2.5**; AISC 341-16 J6.2, AISC 360-16 N5.5; ANSI/ASNT CP-189, SNT-TC-1A; AWS D1.1, AWS D1.8; DSA IR 17-2.

THE SAMPLE DSA-103 FORM SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECTS SPECIFIC FORM DSA-103. A CURRENT DSA-103 FORM IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL SAMPLE DSA-103 SHEETS ARE TO BE CROSSED OUT ON THIS DRAWING.

ADDITIONAL TESTING AND INSPECTION NOTES:

1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
2. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2.
3. THE COSTS OF THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE BORN BY THE SCHOOL DISTRICT.
4. COPIES OF VERIFIED REPORTS SHALL BE SENT TO DSA, THE ARCHITECT, THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR.
5. THE IN PLANT INSPECTOR SHALL BE WELDING SPECIAL INSPECTOR FOR MATERIAL VERIFICATION AND WELDING.
6. PER 2019 CBC, SECTION 1705A.3.3, BATCH PLANT INSPECTION MAY BE WAIVED WHEN THE FOLLOWING REQUIREMENTS ARE MET.
   - 6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
   - 6.2. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK IT'S LOAD, AND TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.

SAMPLE DSA 103 - STATEMENT OF STRUCTURAL TESTS AND INSPECTIONS FORM - FOR ALL UNITS EXCEPT CANTILEVER AND SINGLE POST UNITS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USA SHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community College District

PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003

MODEL NUMBER:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119455 PC A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 03/26/2021

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE: D

PRE-CHECK (PC) DOCUMENT
Code : 2019 CBC
A separate project application for construction is required.

Eng. By :	**DWH**	**09/18/20**
Design By :	**DWH**	**09/18/20**
Approved By :	**DWH**	**09/18/20**

DRAWING DESCRIPTION:
DSA 103 SAMPLE FORMS

DWG.

SHEET **P.C. T-2.0**

REV.

LICENSED ARCHITECT
DAVID HIGGINSON
NO.C19188
REN. 10-31-21
STATE OF CALIFORNIA

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

☐	b. Magnetic Particle	Test	LOR	**1705A.2.1, 1705A.2.5;** AISC 341-16 J6.2, AISC 360-16 N5.5; ANSI/ ASNT CP-189, SNT-TC-1A; AWS D1.1, AWS D1.8; DSA IR 17-2.
☐	c.	Test	LOR	

	21. STEEL JOISTS AND TRUSSES: 1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Verify size, type and grade for all chord and web members as well as connectors and weld filler material; verify joist profile, dimensions and camber (if applicable); verify all weld locations, lengths and profiles; mark or tag each joist.	**Continuous**	**SI**	**1705A.2.3, Table 1705A.2.3;** AWS D1.1; DSA IR 22-3 for steel joists only. **1705A.2.4;** AWS D1.3 for cold-formed steel trusses.

	22. SPRAY APPLIED FIRE-PROOFING: 1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a. Examine structural steel surface conditions, inspect application, take samples, measure thickness and verify compliance of all aspects of application with DSA-approved documents.	**Periodic**	**SI**	**1705A.14.**
☐	b. Test bond strength.	**Test**	**LOR**	**1705A.14.6.**

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS (Steel and Aluminum), 2019 CBC

1705A.2.1, Table 1705A.2.1; AISC 303-16, AISC 341-16, AISC 358-16, AISC 360-16; AISI S100-16

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☐	c. Test density.	Test	LOR	**1705A.14.5.**

	23. ANCHOR BOLTS AND ANCHOR RODS:			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☒	a. Anchor Bolts and Anchor Rods	Test	LOR	Sample and test anchor bolts and anchor rods not readily identifiable per procedures noted in DSA IR 17-11.
☐	b. Threaded rod not used for foundation anchorage.	Test	LOR	Sample and test threaded rods not readily identifiable per procedures noted in DSA IR 17-11.

	Other Steel			
	Test or Special Inspection	**Type**	**Performed By**	**Code References and Notes**
☐	a.			

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

Exempt items given in DSA IR A-22 or the 2019 CBC (including DSA amendments) and those items identified below with a check mark by the design professional are NOT subject to DSA requirements for the structural tests / special inspections noted. **Items marked as exempt shall be identified on the approved construction documents**. The project inspector shall verify all construction complies with the approved construction documents.

	SOILS:
☐	1. Deep foundations acting as a cantilever footing designed based on minimum allowable pressures per CBC Table 1806A.2 and having no geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), or single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.

	CONCRETE/MASONRY:
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding") given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding."
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1.16. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.

	Welding:
☐	1. Solid-clad and open-mesh gates with maximum leaf span or rolling section for rolling gates of 10' and apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections 19, 19.1 and/or 19.2 of listing above).

Appendix: Work Exempt from DSA Requirements for Structural Tests / Special Inspections

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g. playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for section 19, 19.1 and/or 19.2 located in the Steel/Aluminum category).
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.

DSA 103-19: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2019 CBC

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

Name of Architect or Engineer in general responsible charge:
Name of Structural Engineer (When structural design has been delegated):
Signature of Architect or Structural Engineer: **Date:**

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

DSA 103-19: LIST OF REQUIRED VERIFIED REPORTS, CBC 2019

Application Number: 04-119455 **DSA File Number:**
School Name: TO BE DETERMINED **Increment Number:**
School District: USA SHADE **Date Created:** 2021-03-26 09:09:12

1. Structural Testing and Inspection: Laboratory Verified Report Form DSA 291
2. Concrete Batch Plant Inspection: Laboratory Verified Report Form DSA 291
3. Shop Welding Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292
4. High-Strength Bolt Installation Inspection: Laboratory Verified Report Form DSA 291, or, for independently contracting SI, Special Inspection Verified Report Form DSA 292

THE SAMPLE DSA-103 FORM SHOWN ON THIS SHEET IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTURE PROJECTS SPECIFIC FORM DSA-103. A CURRENT DSA-103 FORM IS TO BE COMPLETED FOR EACH APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND ALL SAMPLE DSA-103 SHEETS ARE TO BE CROSSED OUT ON THIS DRAWING.

ADDITIONAL TESTING AND INSPECTION NOTES:

1. THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE SELECTED BY THE SCHOOL DISTRICT AND APPROVED BY DSA AND THE ARCHITECT OF RECORD.
2. THE SITE PROJECT INSPECTOR SHALL BE CLASS 2.
3. THE COSTS OF THE PROJECT INSPECTOR AND TESTING AGENCY SHALL BE BORN BY THE SCHOOL DISTRICT.
4. COPIES OF VERIFIED REPORTS SHALL BE SENT TO DSA, THE ARCHITECT, THE SCHOOL DISTRICT, THE CONTRACTOR, AND THE PROJECT INSPECTOR.
5. THE IN PLANT INSPECTOR SHALL BE WELDING SPECIAL INSPECTOR FOR MATERIAL VERIFICATION AND WELDING.
6. PER 2019 CBC, SECTION 1705A.3.3, BATCH PLANT INSPECTION MAY BE WAIVED WHEN THE FOLLOWING REQUIREMENTS ARE MET:
   - 6.1. A LICENSED WEIGHMASTER SHALL POSITIVELY IDENTIFY QUANTITY OF MATERIALS AND CERTIFY EACH LOAD BY A BATCH TICKET.
   - 6.2. BATCH TICKETS, INCLUDING MATERIAL QUANTITIES AND WEIGHTS SHALL ACCOMPANY THE LOAD, SHALL BE TRANSMITTED TO THE INSPECTOR OF RECORD BY THE TRUCK DRIVER WITH LOAD IDENTIFIED THEREON. THE LOAD SHALL NOT BE PLACED WITHOUT A BATCH TICKET IDENTIFYING THE MIX. THE INSPECTOR OF RECORD SHALL KEEP A DAILY RECORD OF PLACEMENTS, IDENTIFYING EACH TRUCK IT'S LOAD, AND TIME OF RECEIPT AT THE JOBSITE, AND APPROXIMATE LOCATION OF DEPOSIT IN THE STRUCTURE AND SHALL MAINTAIN A COPY OF THE DAILY RECORD AS REQUIRED BY THE ENFORCEMENT AGENCY.

LICENSED ARCHITECT DAVID HIGGINSON NO.C19168 REN. 10-31-21 STATE OF CALIFORNIA

SAMPLE DSA 103 - STATEMENT OF STRUCTURAL TESTS AND INSPECTIONS FORM - FOR ALL UNITS EXCEPT CANTILEVER AND SINGLE POST UNITS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community College District

PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003

MODEL NUMBER:

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119455 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 03/26/2021

STRUCTURE TYPE:

SCALE : VARIES

DRAWING SIZE: D

PRE-CHECK (PC) DOCUMENT
Code : 2019 CBC
A separate project application for construction is required.

Eng. By :	DWH	09/14/20
Design By :	DWH	09/14/20
Approved By :	DWH	09/14/20

DRAWING DESCRIPTION:
DSA 103 SAMPLE FORMS

DWG.

SHEET P.C. T-2.1

REV.

GENERAL NOTES
DESIGN LOADS

BUILDING CODE	CBC 2019 (BASED ON IBC 2018)
LIVE LOADS	5 PSF
SNOW LOAD	5 PSF
WIND LOADS	115 MPH (3-Sec. Gust); EXPOSURE C; TOPOGRAPHIC FACTOR , Kzt = 1.0

1.- SPECIAL INSPECTION REQUIREMENTS SHALL FOLLOW THE ATTACHED SAMPLE TEST AND INSPECTION LIST (T & I LIST) APPROVED BY DSA. THE SHOP WELDING INSPECTION SHALL INCLUDE WELDING OF ALL STEEL MEMBERS AND IDENTIFICATION OF STEEL THROUGH MILL CERTIFICATE OR MATERIAL TESTING, UNCERTIFIED STEEL SHALL BE TESTED TO THE REQUIREMENTS OF CBC 2019 CHAPTER 17A. THE FIELD SPECIAL INSPECTION SHALL INCLUDE COMPRESSION CYLINDER TESTS FOR THE CONCRETE FOUNDATION.

2.- STRUCTURE SHALL BE IN THE LOCATION SHOWN ON THE SITE SPECIFIC DSA APPLICATION DRAWING.

3.- FOUNDATION DESIGN BASED ON CBC 2019, TABLE 1806A.2, SOIL CLASS 5 (ALLOWABLE FOUNDATION PRESSURE 1500 PSF)

4.- DESIGN PER FOLLOWING CODES: CBC 2019, ASCE 7-16, AISC 360-16, AISC 341-16, ACI 318-14, ASCE 55-16 & ASCE 19-16

STRUCTURAL STEEL

1.- FABRICATION OF THE STEEL STRUCTURES SHALL BE PERFORMED BY SHADE STRUCTURES OR AN AUTHORIZED LICENSEE. MATERIAL TESTING (OR MILL CERTIFICATES) AND INSPECTION OF WELDING SHALL BE CONDUCTED PER CBC 2019 SECTIONS 1704A, 1705A, 1705A.2, AND TABLE 1705A.2.1.

2.- ONLY CALIFORNIA LICENSED CONTRACTORS AUTHORIZED BY SHADE STRUCTURES SHALL INSTALL THE SHADE STRUCTURES.

3.- ALL WORK SHALL CONFORM TO CBC 2019 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)

4.- ALL GALVANIZED STEEL TUBE PRODUCTS MANUFACTURED BY ALLIED TUBE & CONDUIT FOR THIS STRUCTURE SHALL BE, AND CONFORM TO ASTM A500-16, IN ITS' ENTIRETY.
TYPICAL MECHANICAL PROPERTIES ARE:
ROUND TUBE 42,000 PSI YIELD STRESS MINIMUM / 48,000 PSI TENSILE STRESS MINIMUM

5.- ALL STRUCTURAL SHAPES SHALL BE COLD FORMED HSS ASTM A500 GRADE B, UNLESS OTHERWISE NOTED. TYPICAL MECHANICAL PROPERTIES ACHIEVED FOR HSS PRODUCTS:
SQUARE AND RECTANGULAR 46,000 PSI YIELD STRESS / 58,000 PSI TENSILE STRESS
ROUND PIPE 42,000 PSI YIELD STRESS / 58,000 PSI TENSILE STRESS

6.- ALL PLATES PRODUCTS SHALL COMPLY WITH ASTM A572 GRADE 50.

7.- STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED IN ACCORDANCE WITH A.I.S.C. SPECIFICATIONS.

8.- ALL WELDING TO CONFORM WITH AMERICAN WELDING SOCIETY STANDARDS AND SHALL BE INSPECTED BY AN AWS/CWI INSPECTOR. AWS D1.1 FOR HOT ROLLED. AWS D1.3 FOR SHEET/COLD FORMED. AWS D1.8 SEISMIC SUPPLEMENT.

9.- ALL FULL PENETRATION WELD SHALL BE CONTINUOUSLY INSPECTED PER AWS D1.1 & D1.8.

10.- SHOP CONNECTIONS SHALL BE WELDED UNLESS NOTED OTHERWISE. FIELD CONNECTIONS SHALL BE AS INDICATED ON THE DRAWINGS (IF REQUIRED). ALL FILLET WELDS SHALL BE A MINIMUM OF 3/16" ER70SX ELECTRODES UNLESS OTHERWISE NOTED. EITHER SMAW OR GMAW IS ACCEPTABLE.

11.- ALL HIGH STRENGTH BOLTS SHALL COMPLY WITH ASTM F3125 GRADE A325 N (GALVANIZED). ALL NUTS SHALL COMPLY WITH ASTM A563DH, AND WASHERS SHALL COMPLY WITH ASTM F436. ALL HIGH STRENGTH BOLTS SHALL BE TIGHTENED TO A SNUG TIGHT CONDITION.

12.- ALL STRUCTURAL STEEL (ITEMS FROM NOTE 5) SHALL BE POWDER COATED WITH ONE SHOP COAT (2.5 MILS MIN.) OF ZINC-RICH PRIMER, UNDERCOAT, AND FINISH COAT, OR EQUIVALENT PAINT SYSTEM. THIS COAT IS A WEATHER RESISTANT POWDER COATING BASED ON POLYESTER TGIC (MANUFACTURED BY SHERWIN WILLIAMS, ASKO NOBEL, PPG OR TIGER DRYLAC). TO ACHIEVE OPTIMUM ADHESION, IT IS RECOMMENDED THAT THE PROPER TREATMENT AND DRYING TAKE PLACE BEFORE COATING. POLYESTER POWDER (TGIC) SPECIFICATIONS SHALL BE AS FOLLOWS:
- PENCIL HARDNESS (ASTM D-3363). - HUMIDITY (ASTM D-2247).
- SOLVENT RESISTANCE (PCI METHOD) - 50 DBL RUBS SL. SOFTNESS.

13.- ALL STEEL ROUND TUBING (ITEMS FROM NOTE 4) SHALL BE TRIPLE COATED FOR RUST PROTECTION USING THE IN-LINE ELECTROPLATING COAT PROCESS. TUBING SHALL BE INTERNALLY COATED WITH ZINC AND ORGANIC COATINGS TO PREVENT CORROSION AS MANUFACTURED BY ALLIED TUBE & CONDUIT.

14.- COLD-FORMED STEEL MEMBERS SHALL BE 55% ALUMINUM ZINC ALLOY COATED PER ASTM A792/A792M STANDARD IN ACCORDANCE TO AISI S200 TABLE A4-1, CP 90 COATING DESIGNATION. ALL EXPOSED STEEL FASTENERS SHALL BE STAINLESS STEEL (TYPE 304 MINIMUM), HOT DIP GALVANIZED (ASTM A153, CLASS D MINIMUM OR ASTM F2329), OR PROTECTED WITH CORROSION PREVENTIVE COATING THAT DEMONSTRATED NO MORE THAN 2% OF RED RUST IN MINIMUM 1,000 HOURS OF EXPOSURE IN SALT SPRAY TEST PER ASTM B117. ZINC-PLATED FASTENERS DO NOT COMPLY WITH THIS REQUIREMENT.

CONCRETE SPECIFICATION

1.- CONCRETE SHALL BE SAMPLED AND TESTED PER CBC 2019 SECTION 1903A & SHALL BE INSPECTED PER SECTION 1903A.

2.- CONCRETE TO BE F'c= 4500 PSI, TYPE V CEMENT, WATER/CEMENT RATIO OF 0.45, PER ACI 318-14 CHAPTER 5. REINFORCING STEEL TO BE Fy= 60000 PSI , MIN. GR. 60

3.- ALL ANCHOR BOLTS SET IN NEW CONCRETE (WHEN APPLICABLE) SHALL COMPLY WITH ASTM F-1554 GRADE 55 (GALVANIZED PER ASTM A153, CLASS D MINIMUM OR ASTM F2329).
ANCHOR BOLT'S EMBEDMENT NEEDS TO BE AS FOLLOW:
A) ANCHOR BOLT Ø1 1/4" 30 IN (MINIMUM EMBEDMENT)

4.- CERTIFIED MILL TEST REPORTS ARE TO BE PROVIDED FOR EACH SHIPMENT OF REINFORCEMENT.

5.- ALL NON-SHRINK GROUT SHALL HAVE A MINIMUM 28 DAYS COMPRESSIVE STRENGTH OF 5000 PSI, AND SHALL COMPLY THE REQUIREMENTS OF ASTM C109, ASTM C939, ASTM C1090, ASTM C1107, WHEN APPLICABLE.

FABRIC SPECIFICATION

1.- FABRIC SHALL BE MANUFACTURED BY MULTIKNIT LTD. OR OTHER COMPANY WHO CAN MANUFACTURE FABRIC, WHICH MEETS THE SPECIFICATIONS LISTED ON PAGE 2000, AND SHALL BE FABRICATED FROM POLYETHYLENE MATERIALS.

2.- THE FABRIC SHALL RETAIN 80% OF ITS TENSILE AND TEARING STRENGTH AFTER ULTRAVIOLET EXPOSURE PER ASTM G53 USING A 313 NM LIGHT SOURCE FOR 500 HOURS WHILE MOISTENED FOR 1 HOUR EVERY 12 HOURS.

3.- PROVIDE CERTIFICATION BY MANUFACTURER AND STATE FIRE MARSHAL TO SCHOOL'S DISTRICT INSPECTOR OF RECORD AT SITE SPECIFIC INSTALLATION. COPY OF FIRE CERTIFICATION SHALL BE SENT TO DSA.

4.- FABRIC SHALL REQUIRE ANNUAL INSPECTION AND MAINTENANCE BY THE DISTRICT. FABRICS SAMPLES OF THE SAME MATERIAL WHICH ARE MAINTAINED AT THE PROJECTS SITE SHALL BE TESTED TO BE IN COMPLIANCE WITH ASTM D5034 AND D2261. THE ANNUAL TESTING ON THE APPROVED PLANS SHALL BE COMPARED TO THE FABRIC SPECIFICATIONS INDICATED IN NOTE 1 OF "FABRIC SPECIFICATION" ON THE APPROVED PLANS. THE FABRIC SHALL BE REPLACED WHEN THE TEST RESULTS RETURN LESS THAN 50% OF THE ULTIMATE VALUES IN NOTE 1 OF "FABRIC SPECIFICATION". FIRE TEST ON FABRIC: NFPA 701 TEST 2 AND ASTM E 84 EXTENDED 30 MINUTES TEST. FLAME SPREAD INDEX (FSI): 10. SMOKE DEVELOPED INDEX (SDI): 50. FABRIC IS ACCEPTABLE FOR USE IN WILDLIFE URBAN INTERFACE AREA.

5.- FABRIC TOP NEEDS TO BE REMOVED IF SNOW EXCEEDING 5 PSF ARE ANTICIPATED, FABRIC TOP NEEDS TO BE REMOVED IF WINDS EXCEEDING 115 MPH ARE ANTICIPATED.

6.- A VISUAL INSPECTION LOOKING FOR TEAR AND ABNORMAL WEAR IN FABRIC MATERIAL AND THREAD IS REQUIRED PRIOR TO RE-INSTALLATION. USA SHADE & FABRIC STRUCTURES SHALL BE NOTIFIED IF SIGNIFICANT DAMAGE IS PRESENT BEFORE RE-INSTALLATION.

AIRCRAFT CABLE

1.- FOR FABRIC ATTACHMENT USE 3/8" 7x19 GALV. CABLE PER ASTM A1023A, ASTM 1023M-02, WITH A BREAKING STRENGTH VALUE OF 14,400 LBS. CABLE SHALL BE TENSIONED TO 250 LBS MINIMUM.THE MAXIMUM CALCULATED CABLE ALLOWABLE CAPACITY IS Sa=4909 LB.

2.- CABLES SHALL BE FED THROUGH THE FABRIC SLEEVES AROUND THE PERIMETER OF THE CANOPY AND TENSIONED UNTIL THE FABRIC PANELS (DESIGNED PURPOSELY UNDERSIZED) REACH A TAUT APPEARANCE. ANY LONG TERM CABLE SAG SHALL BE MINIMIZED DURING THE MAINTENANCE RE-TIGHTING VISITS AS REQUIRED.

2019 CBC PC DESIGN NOTES

FLOOR LIVE LOAD	N/A	
ROOF LIVE LOAD	RLL	5 PSF

ALLOWABLE SOIL PRESSURE:

DL + LL (CONC FTG)	1500 PSF
DL + LL + SEISMIC (CONC FTG)	1500 PSF
LATERAL BEARING DESIGN VALUE	100 PSF/FT BELOW NATURAL GRADE, PER TABLE 1806A.2

TWO TIMES THE TABULAR VALUE IS USED (200 PSF/FT)
PER CBC SECTION 1806A.3.4.
ALLOWABLE PIER FRICTIONAL RESISTANCE 250 PSF MAXIMUM
BASED ON SECTION 1810A.3.3.1.4 (ONE-SIXTH OF THE BEARING VALUE).
UPLIFT FRICTIONAL RESISTANCE HAVE A SAFETY FACTOR OF 3.

ROOF SNOW LOAD	5 PSF	
ICE LOAD	ZERO PSF	
FLOOD HAZARD AREA	NO	

WHEN A SITE SPECIFIC PROJECT IS LOCATED IN A FLOOD ZONE OTHER THAN ZONE X, A LETTER STAMPED AND SIGNED FROM A SOILS ENGINEER IS NEEDED TO VALIDATE THE ALLOWABLE SOIL VALUES SPECIFIED IN THE PC ARE STILL APPLICABLE.

WIND DESIGN DIRECTIONAL PROCEDURE: ASCE 7-16, SECTION 27.3.2

-BASIC DESIGN WIND SPEED (3 SEC GUST)	V	115 MPH
-WIND EXPOSURE FACTOR	C	
-TOPOGRAPHIC FACTOR	Kzt	1
-RISK CATEGORY	II	
-VELOCITY PRESSURE EXPOSURE COEFFICIENT	Kz	0.90
-VELOCITY PRESSURE	qz	25.90 PSF

SEISMIC DESIGN:

-SITE CLASS	D	
	SS	3.00g
	S1	1.389g
-SPECTRAL RESPONSE COEFFICIENTS	SDS	2.00
	SD1	1.39

-LATERAL FORCE RESISTING SYSTEM G.2 ORDINARY CANTILEVERED COLUMN SYSTEM.

-SEISMIC IMPORTANCE FACTOR	I	1.0
-DESIGN BASE SHEAR	V	4306 LB
-SEISMIC RESPONSE COEFFICIENTS	Cs	1.6
-RESPONSE MODIFICATION FACTOR	R	1.25
-ANALYSIS PROCEDURE		EQUIVALENT LATERAL FORCE
-RISK CATEGORY		II
-SEISMIC DESIGN CATEGORY		E
-SITE COEFFICIENT CATEGORY	Fa	1
	Fv	1.5

GEOHAZARD REPORT IS NOT REQUIRED FOR OPEN FABRIC STRUCTURES 1,600 SQF OR LESS COMPLYING WITH THE REQUIREMENTS OF IR A-4 SECTION 3.1.1. OPEN FABRIC SHADE STRUCTURES GREATER THAN 1,600 SQUARE FEET UP TO A MAXIMUM OF 4,000 SQUARE FEET AND COMPLYING WITH THE REQUIREMENTS NOTED IN IR A-4 SECTION 3.1.1 DO NOT REQUIRE A GEOHAZARD REPORT PROVIDED A GEOTECHNICAL REPORT INDICATES THAT NO LIQUEFACTION POTENTIAL EXISTS.

ARCHITECT OF RECORD TO DETERMINE IF SPECIFIC SITE IS IN GEOLOGIC HAZARD ZONE. GEOHAZARD REPORT REQUIREMENTS PER DSA IR A-4.

PC OPTIONS SHALL NOT INCLUDE LIQUEFIABLE SOIL (EXCEPTION: OPEN FABRIC SHADE STRUCTURES 1,600 SQUARE FEET OR LESS COMPLYING WITH REQUIREMENTS OF IR A-4 SECTION 3.1.1). IF STRUCTURE IS LOCATED IN AN AREA WITH LIQUEFIABLE SOIL OR SITE CLASS F, OVER-THE-COUNTER SUBMITTAL IS NOT ALLOWED AND REGULAR PROJECT SUBMITTAL IS REQUIRED. IF SITE IS NOT IN A MAPPED LIQUEFACTION HAZARD ZONE, IT MAY BE PRESUMED THAT NO LIQUEFACTION HAZARD EXISTS ON THAT SITE UNLESS A SITE-SPECIFIC GEOTECHNICAL REPORT IDENTIFIES SUCH HAZARD.

MINIMUM FOUNDATION SETBACK LIMIT IN ADJACENT SLOPE: THE DEPTH OF REQUIRED PIER EMBEDMENT SHALL START FROM AN ELEVATION THAT CORRESPONDS WITH A HORIZONTAL CLEAR DISTANCE OF 14 FEET THAT INTERSECT WITH THE SLOPE (DAYLIGHTING). IF SETBACK LIMITS ARE SMALLER THAN CBC REQUIRES, A SITE-SPECIFIC SOILS REPORT IS REQUIRED.

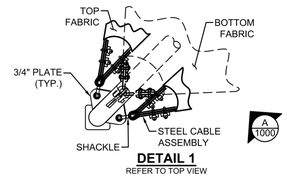
MINIMUM CLASS 2 PROJECT INSPECTOR REQUIRED.

CODE ANALYSIS

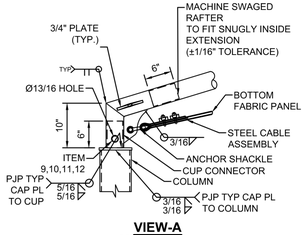
BUILDING	OCCUPANCY	CONST. TYPE	AREA (SQ. FT.)	OCCUPANT LOAD FACTOR	OCCUPANT LOAD
SHADE STRUCTURE					

MAXIMUM OCCUPANT LOAD (PER CBC 2019 TABLE 1604A.5)

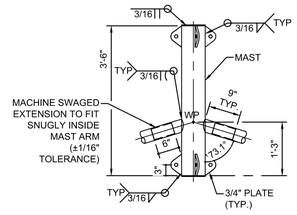
-K-12:	250 PERSONS
-PUBLIC ASSEMBLY:	300 PERSONS
-EDUCATIONAL OCCUPANCIES ABOVE 12TH GRADE:	500 PERSONS



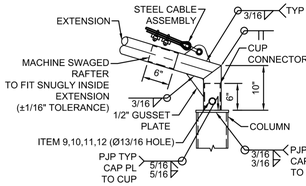
DETAIL 1
REFER TO TOP VIEW



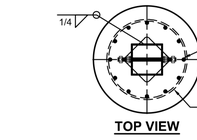
VIEW-A
REFER TO DETAIL-1



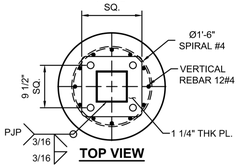
VIEW C-C
REFER TO DETAIL 4



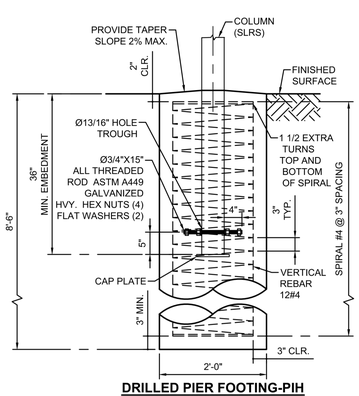
VIEW-B
REFER TO DETAIL-2



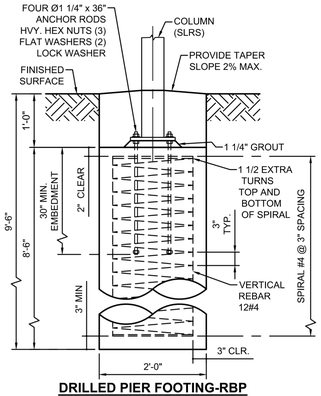
TOP VIEW



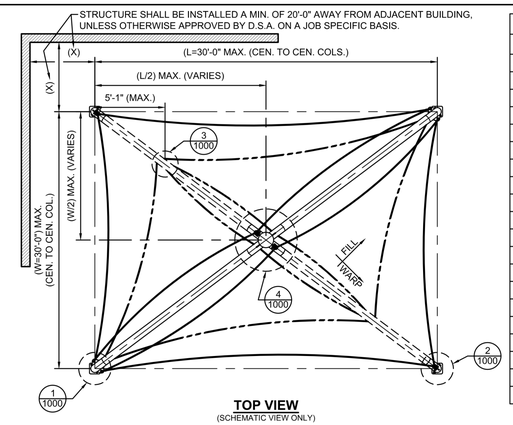
TOP VIEW



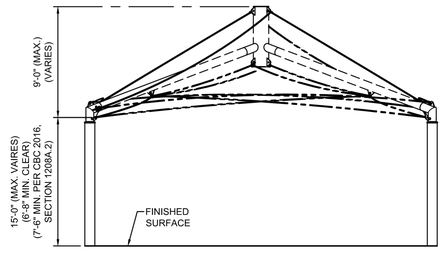
DRILLED PIER FOOTING-PIH
(EMBEDDED, PIH)
(USE FOR NON-CONSTRAINED CASES)



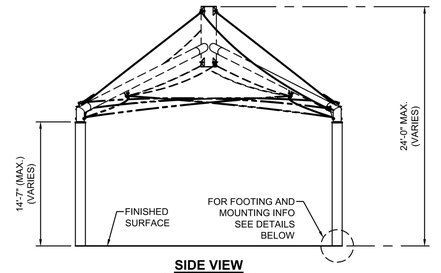
DRILLED PIER FOOTING-RBP
(RECESSED BASE PLATE, RBP)
(USE FOR NON-CONSTRAINED CASES)
(OPTIONAL)



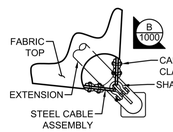
TOP VIEW
(SCHEMATIC VIEW ONLY)



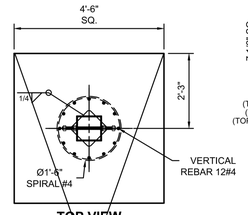
FRONT VIEW
(SCHEMATIC VIEW ONLY)



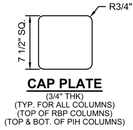
SIDE VIEW
(SCHEMATIC VIEW ONLY)



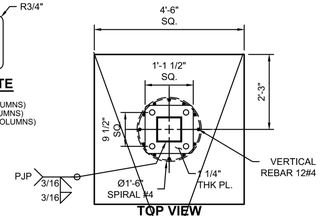
DETAIL-2
REFER TO TOP VIEW



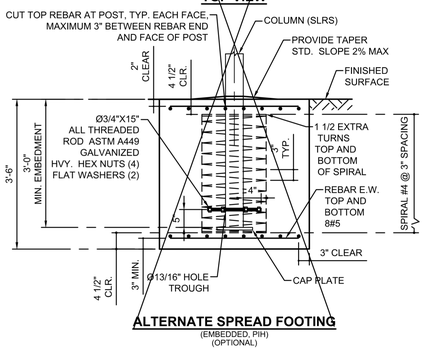
TOP VIEW



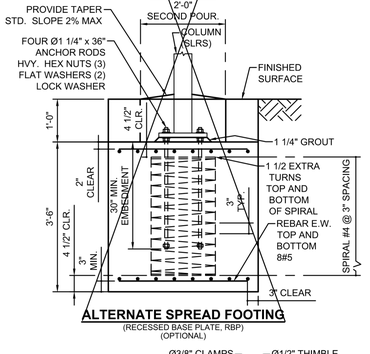
CAP PLATE
(3/4" THK)
(TYP. FOR ALL COLUMNS)
(TOP OF RBP COLUMNS)
(TOP & BOT. OF PIH COLUMNS)



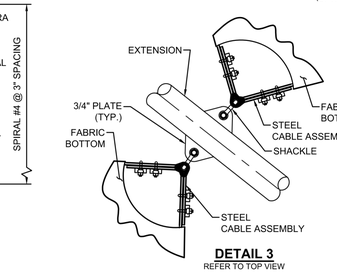
TOP VIEW



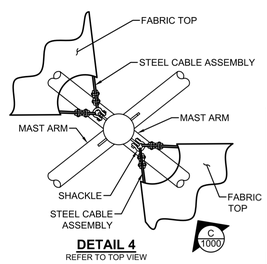
ALTERNATE SPREAD FOOTING
(EMBEDDED, PIH)
(OPTIONAL)



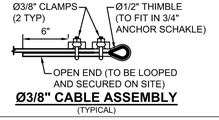
ALTERNATE SPREAD FOOTING
(RECESSED BASE PLATE, RBP)
(OPTIONAL)



DETAIL 3
REFER TO TOP VIEW



DETAIL 4
REFER TO TOP VIEW



Ø3/8" CABLE ASSEMBLY
(TYPICAL)

LIST OF MATERIALS

ITEM	QTY	DESCRIPTION	MATERIAL
1	4	COLUMN	HSS 7 x 7 x 0.250
2	4	CUP CONNECTOR (6" LG)	HSS 5.0 x 0.375
2A	2	RAFTER M1	HSS 5.563 x 0.258
2B	2	RAFTER M2	HSS 5.563 x 0.258
3A	2	EXTENSION M1	HSS 5.563 x 0.258
3B	2	EXTENSION M2	HSS 5.563 x 0.258
4	1	MAST	HSS 10.75 x 0.375
5A	1	TOP FABRIC PANEL	FR COLOURSHADE Z25
5B	1	TOP FABRIC PANEL	FR COLOURSHADE Z25
6A	1	BOTTOM FABRIC PANEL	FR COLOURSHADE Z25
6B	1	BOTTOM FABRIC PANEL	FR COLOURSHADE Z25
7A	8	Ø3/8" CABLE (TOP FABRIC)	GALVANIZED STEEL
7B	8	Ø3/8" CABLE (BOTTOM FABRIC)	GALVANIZED STEEL
8	64	Ø3/8" CABLE CLAMP	GALVANIZED STEEL
9	4	Ø3/4"-10NC x 7" HEX BOLT	ASTM F3125 GRADE A325, GALVANIZED
10	4	Ø3/4"-10NC HEX NUT	ASTM A563 GALVANIZED
11	4	Ø3/4" SPLIT LOCK WASHER	ASTM F436 GALVANIZED
12	8	Ø3/4" FLAT WASHER	ASTM F436 GALVANIZED
13	16	3/4" ANCHOR SHACKLE	GALVANIZED
14	32	Ø1/2" THIMBLE	GALVANIZED

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

USA SHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community College District

PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003

MODEL NUMBER:
DSA4073030-19

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119455 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 03/26/2021

STRUCTURE TYPE:
MARINER PEAK DSA

SIZE: MAXIMUM
30' x 30' x 15'e MAX.

SCALE : NONE

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT
Code : 2019 CBC
A separate project application for construction is required.

Eng. By :	JO	06/26/20
Design By :	JO	06/26/20
Approved By :	JO	06/26/20

DRAWING DESCRIPTION:
PRODUCT INFORMATION

DWG.
DSA4073030-19

SHEET
6.1-1000

REV.
NC

LICENSED ARCHITECT DAVID HIGGINSON NO.C19198 REN. 10-31-21 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER MARK ALBERT LINK No. 36931 STRUCTURAL STATE OF CALIFORNIA

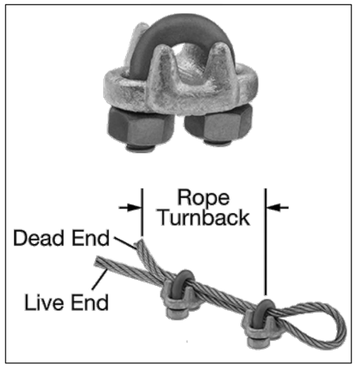
12/04/2020

ENVELOPE JOINT REACTIONS

Shear resultant = $\sqrt{Px^2 + Py^2 + Pz^2}$ Moment resultant = $\sqrt{Mx^2 + My^2 + Mz^2}$

ASD REACTIONS

Node No.		Support Forces [kip] P_x	P_y	P_z	Support Moments [kip ft] M_x	M_y	M_z		Support Forces, [kip] SHEAR RESULTANT	Support Moments [kip ft] MOMENT RESULTANT	Support Forces [kip] UPLIFT	Support Forces [kip] AXIAL
					MAXIMUM REACTIONS				1.593	15.251	1.709	-3.751
Node No.		Support Forces [kip] P_x	P_y	P_z	Support Moments [kip ft] M_x	M_y	M_z					
1	Max	1.145	1.148	0.488	1.002	13.326	1.265					
	Min	-0.218	-0.214	-3.751	-13.391	-1.053	-1.266					
	Max P_x	**1.145**	0.535	0.411	-3.737	11.845	0.166	CO 4	1.264	12.421	0.411	
	Min P_x	**-0.218**	-0.214	-2.501	0.949	-1.053	-0.003	CO 1	0.305	1.388		-2.501
	Max P_y	0.532	**1.148**	0.411	-11.894	**3.688**	-0.170	CO 5	1.265	12.459	0.411	
	Min P_y	-0.218	**-0.214**	-2.501	0.949	-1.053	-0.003	CO 1	0.305	1.388		-2.501
	Max P_z	1.096	0.481	**0.488**	-3.308	11.491	0.128	CO 33	1.197	11.958	0.488	
	Min P_z	0.049	0.360	**-3.751**	-7.899	7.978	-0.062	CO 32	0.383	8.143		-3.751
	Max M_x	-0.205	-0.202	-2.100	**1.002**	-1.053	-0.002	CO 30	0.288	1.454		-2.100
	Min M_x	0.420	0.880	-2.783	**-13.391**	1.266	-1.266	CO 2	0.975	14.389		-2.783
	Max M_y	0.876	0.416	-2.783	-5.553	**13.326**	1.265	CO 3	0.974	14.361		-2.783
	Min M_y	-0.205	-0.202	-2.100	1.002	**-1.053**	-0.002	CO 30	0.288	1.454		-2.100
	Max M_z	0.876	0.416	-2.783	-5.553	13.326	**1.265**	CO 3	0.974	14.361		-2.783
	Min M_z	0.420	0.880	-2.783	-13.391	1.266	**-1.266**	CO 2	0.975	14.389		-2.783
3	Max	0.937	1.451	1.709	1.432	10.112	1.853					
	Min	-0.966	-0.594	-3.099	-14.705	-11.338	-1.875					
	Max P_x	**0.937**	-0.105	-1.007	1.175	10.112	-0.278	CO 16	0.943	10.180		-1.007
	Min P_x	**-0.966**	-0.737	-2.286	-7.190	-11.338	-1.875	CO 3	1.215	13.426		-2.286
	Max P_y	-0.651	**1.451**	1.080	-14.420	-4.241	1.388	CO 5	1.590	15.224	1.080	
	Min P_y	0.046	**-0.548**	-1.615	3.402	1.223	-1.510	CO 6	0.151	3.691		-1.615
	Max P_z	-0.164	1.163	**1.709**	-12.368	0.462	1.571	CO 33	1.175	12.377	1.709	
	Min P_z	-0.611	0.451	**-3.099**	-4.315	-7.289	-1.303	CO 11	0.759	8.481		-3.099
	Max M_x	0.046	-0.594	-1.615	**3.402**	1.223	-1.510	CO 6	0.151	3.691		-1.615
	Min M_x	-0.344	1.361	1.699	**-14.705**	-1.182	1.853	CO 4	1.423	14.752	1.699	
	Max M_y	0.937	-0.103	-1.007	1.175	**10.112**	-0.278	CO 16	0.943	10.180		-1.007
	Min M_y	-0.966	0.737	-2.286	-7.190	**-11.338**	**-1.875**	CO 3	1.215	13.426		-2.286
	Max M_z	0.907	0.190	-1.212	-1.632	10.090	0.468	CO 16	1.005	10.221		-1.212
	Min M_z	-0.273	-0.380	0.993	2.090	-14.338	0.553	CO 5	1.329	14.490	0.993	
	Max P_x	0.191	**0.986**	-1.212	-10.080	1.641	-0.466	CO 17	1.004	10.213		-1.212
	Min P_x	-0.379	**-1.274**	0.993	14.363	-2.067	-0.549	CO 4	1.329	14.511	0.993	
	Max P_y	-1.144	-0.206	**1.092**	0.409	-12.832	0.559	CO 34	1.168	12.859	1.092	
	Min P_y	0.596	0.930	**-3.194**	-4.504	6.054	-0.434	CO 11	0.811	7.530		-3.194
	Max M_x	-0.379	-1.274	0.993	**14.363**	-2.067	-0.549	CO 4	1.329	14.511	0.993	
	Min M_x	0.191	0.986	-1.212	**-10.080**	1.641	-0.466	CO 17	1.004	10.213		-1.212
	Max M_y	0.987	0.190	-1.212	-1.632	**10.090**	0.468	CO 16	1.005	10.221		-1.212
	Min M_y	-1.273	-0.380	0.993	2.090	**-14.338**	0.553	CO 5	1.329	14.490	0.993	
	Max M_z	0.461	0.537	-2.031	-6.697	4.474	**0.693**	CO 2	0.768	8.054		-2.031
	Min M_z	-0.109	0.461	-2.032	-4.464	6.728	**-0.667**	CO 3	0.709	8.074		-2.032
7	Max	1.453	0.938	1.709	11.299	14.742	2.046					
	Min	-0.142	-0.963	-3.100	-10.122	-1.456	-1.743					
	Max P_x	**1.453**	-0.412	1.080	4.235	14.651	-1.322	CO 4	1.593	15.251	1.080	
	Min P_x	**-0.142**	0.049	-1.617	-1.268	-3.456	1.640	CO 7	0.150	3.681		-1.617
	Max P_y	-0.102	**0.938**	-1.007	-10.122	-1.157	0.309	CO 17	0.944	10.188		-1.007
	Min P_y	0.738	**-0.963**	-2.288	11.299	7.205	2.046	CO 2	1.213	13.401		-2.288
	Max P_z	1.163	-0.535	**1.709**	-0.480	12.401	-1.515	CO 34	1.175	12.410	1.709	
	Min P_z	0.453	-0.838	**-3.100**	7.253	4.365	1.390	CO 10	0.758	8.465		-3.100
	Max M_x	0.738	-0.963	-2.288	**11.299**	7.205	2.046	CO 2	1.213	13.401		-2.288
	Min M_x	-0.102	0.938	-1.007	**-10.122**	-1.157	0.309	CO 17	0.944	10.188		-1.007
	Max M_y	1.393	-0.945	1.699	1.161	**14.742**	-1.743	CO 5	1.425	14.788	1.699	
	Min M_y	-0.142	0.049	-1.617	-1.268	**-3.456**	1.640	CO 7	0.150	3.681		-1.617



FORGED WIRE ROPE CLAMP

FITTING TYPE ROPE CLAMP
FABRICATION: FORGED
MATERIAL: GALVANIZED STEEL
FOR WIRE ROPE DIAMETER 3/8"
NUMBER OF CLAMPS REQUIRED: 2
ROPE TURNBACK: 6 1/2"
FOR WIRE ROPE CONSTRUCTION 7 × 19
ATTACHMENT TYPE: LOOP
CLAMP:WIDTH 2", HEIGHT 1 15/16", THICKNESS 1 11/16"
REQUIRED INSTALLATION TOOL TORQUE WRENCH
REQUIRED TORQUE 45 FT.-LBS.
CAPACITY 80% OF THE ROPE'S CAPACITY
SPECIFICATIONS MET ASME B30.26, FED. SPEC. FF-C-450

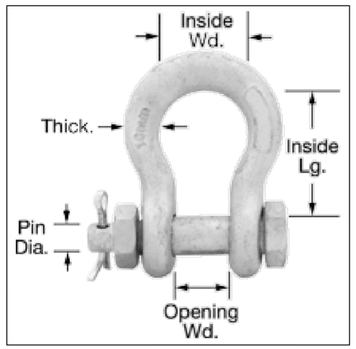
Aircraft Cable

Preformed, made in accordance with commercial specifications military and federal specification rope available.

Carbon Steel (Aircraft Cable) - Galvanized cable has the highest strength and greatest fatigue life of the materials offered. It has good to fair corrosion resistance in rural to industrial atmosphere environments. This material is most widely used for small diameter cables. Tin over galvanized cable offers greater corrosion resistance and reduced friction over pulleys.

7 x 19

7 x 19		Galvanized Min. Breaking Strengths (lbs)
Dia. (In)	Approx. Wt 1000 Ft/lbs	
3/32	17.	1,000
1/8	29.	2,000
5/32	45.	2,800
3/16	65.	4,200
7/32	86.	5,600
1/4	110.	7,000
9/32	139.	8,000
5/16	173.	9,800
3/8	243.	14,400



3/4" GALVANIZED STEEL SAFETY-PIN SHACKLE

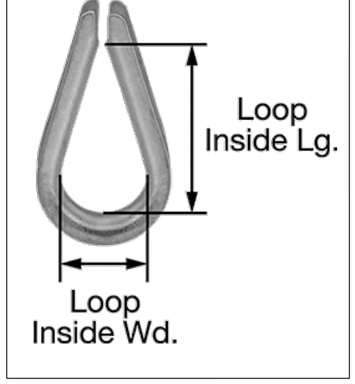
MATERIAL: GALVANIZED STEEL
THICKNESS: 3/4"
OPENING WIDTH: 1 1/4"
PIN DIAMETER" 29/32"
INSIDE LENGTH: 2 13/16"
INSIDE WIDTH: 2"
CAPACITY: 10,400 LBS.
FABRICATION: FORGED
PIN TYPE: SAFETY
SPECIFICATIONS MET ASME B30.26, FED. SPEC. RR-C-271F
FITTING TYPE: SHACKLE
APPLICATION: FOR LIFTING
ATTACHMENT TYPE: CLEVIS

A BOLT FASTENED WITH A NUT AND COTTER PIN MAKES THESE SHACKLES MORE SECURE THAN SCREW-PIN SHACKLES. ALSO KNOWN AS ANCHOR AND BOW SHACKLES, THE WIDE BODY PROVIDES ROOM TO ATTACH MULTIPLE CONNECTORS.

GALVANIZED STEEL SHACKLES HAVE A THICK COATING FOR CORROSION RESISTANCE.

BASIC LOAD CASES

DEAD LOAD	0.0378 PSF (FABRIC)
FLOOR LIVE LOAD	N/A
ROOF LIVE LOAD	5 PSF
ROOF SNOW LOAD	5 PSF
SUPERIMPOSED LOADS	N/A
WIND LOAD	
ULTIMATE DESIGN WIND SPEED (3 SEC GUST)	115 MPH
VELOCITY PRESSURE qz	25.90 PSF
COMPONENT AND CLADDING qz (CABLE AND CABLE HARDWARE ONLY)	25.90 PSF
SEISMIC LOAD	
SEISMIC RESPONSE COEFFICIENTS Cs	1.6
DESIGN BASE SHEAR	4306 LB



WIRE ROPE THIMBLE

FITTING TYPE: THIMBLE
MATERIAL: GALVANIZED STEEL
FOR WIRE ROPE DIAMETER: 3/8"
LOOP
INSIDE LENGTH: 1 5/8"
INSIDE WIDTH: 15/16"
SPECIFICATIONS MET FED. SPEC. FF-T-276B

Multiknit INTERNATIONAL

190/F5 Fire rated specifications

Standard range

Revision 0 28-Oct-12

Colour	Shade %	UV Block %	Average GSM	Average Warp break strength kgs	Average Elongation %	Average Weft break strength kgs	Average Elongation %	Average Burst Kpa	Average Burst to Mass ratio
Desert Sand	80	92	185	50	40	72	73	156	0.84
Blue	80	85	185	50	40	72	73	156	0.84
Brown	85		185	50	40	72	73	156	0.84
Green	80	85	185	50	40	72	73	156	0.84
Red	80	86	185	50	40	72	73	156	0.84
Silver	80	81	185	50	40	72	73	156	0.84
Terracotta	75	82	185	50	40	72	73	156	0.84
Yellow	80	89	185	50	40	72	73	156	0.84
				110 LB		159 LB		3258 PSF	

CONVERSION TO IMPERIAL UNITS:
185 GSM = .0378 psf
50 KGS = 110 Lb
72 KGS = 159 Lb
156 Kpa = 3258 psf

Notes:
- 190/F5 conforms to The California State Fire Marshal Title 19 Test for Small scale Fabrics
- Tear tests are done using a 50mm wide strip and a cross head speed of 500mm/min
- This report has been compiled using the mean results from all tests conducted on the given sample by our Quality Control Laboratory; the information provided is considered to be a good reflection of the relevant properties of the fabric tested. These results must only be used as an indication of the quality and characteristics of this fabric tested.
- Company cannot be held responsible or liable in any way whatsoever should this information differ to that of a registered testing institution.

pp
Deon Joubert
General Manager - Multiknit (Pty) Ltd

Tommy Rogers
Managing Director - Multiknit (Pty) Ltd

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-122792 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 02/21/2023

THESE PLANS AND SPECIFICATIONS ARE THE PROPERTY OF USA SHADE AND FABRIC STRUCTURES AND SHALL NOT BE REPRODUCED WITHOUT THEIR WRITTEN PERMISSION.

USASHADE & Fabric Structures
CORPORATE HEADQUARTERS
2580 ESTERS BLVD. SUITE 100
DFW AIRPORT, TX, 75261
800-966-5005

CERTIFICATIONS:
IAS CERTIFICATION No: FA-428
CLARK COUNTY MANUFACTURER CERTIFICATION NUMBER (NEVADA): 355

CUSTOMER:
Ventura Community College District

PROJECT NAME:
Ventura College

LOCATION:
4667 Telegraph Rd.
Ventura, CA 93003

MODEL NUMBER:
DSA4073030-19

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-119455 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☒ CG ☐
DATE: 03/26/2021

STRUCTURE TYPE:
MARINER PEAK DSA

SIZE: MAXIMUM
30' x 30' x 15'e MAX.

SCALE : NONE

DRAWING SIZE:
D

PRE-CHECK (PC) DOCUMENT
Code : 2019 CBC
A separate project application for construction is required.

Eng. By :	JO	06/26/20
Design By :	JO	06/26/20
Approved By :	JO	06/26/20

DRAWING DESCRIPTION:
REACTIONS

DWG. DSA4073030-19

SHEET 6.2-2000

REV. NC

LICENSED ARCHITECT DAVID HIGGINSON NO.C19169 REN. 10-31-21 STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER MARK ALBERT LOWE No. 36937 STRUCTURAL STATE OF CALIFORNIA

12/04/2020