DSA **140**

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval.This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the DSA Forms or DSA Publications webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes ☐ No ☑)

Deferred Submittal ☐	Addendum Number: 01	Revision Number:	CCD Number: Category A ☐ or B ☐

2. PROJECT INFORMATION:

School District/Owner: Ventura County Community College District	DSA File Number: 56 C1
Project Name/School: STEM Modular building	DSA Application Number 03 124589

3. APPLICANT INFORMATION:

Date Submitted: 05/04/25	Attached Pages? No ☐ Yes ☑ Number of pages? 39		
Firm Name: Amador Whittle Architects, Inc.	Contact Name: Jean Amador		
Work Email: jean@amador.team	Work Phone: (805) 558-4332		
Firm Address: 31822 Village Center Road, 204	City: Westlake Village	State: CA	Zip Code: 91361

4. REASON FOR SUBMITTAL: (Check applicable boxes)

☐ For revision or addendum prior to construction.

☑ For a project currently under construction.

☐ For a project that has a form *DSA 301-N: Notification of Requirement for Certification*, *DSA 301-P: Posted Notification of Requirement for Certification* or a 90-Day Letter issued.

☐ To obtain DSA approval of an existing uncertified building or buildings.

☐ For Category B CCD this is: ☐ a voluntary submittal, ☐ a DSA required submittal (attach DSA notice requiring submission).

5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:

Name of the Design Professional In General Responsible Charge: Jean A Amador

Professional License Number: C22205	Discipline: Architect

Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.

Signature: Jean Amador "Digitally signed by Jean Amador DN: C=US, E=jean@amador.team, O="Amador Whittle Architects, Inc", CN=Jean Amador Date: 2025.05.04 17:49:43-07'00'

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE

6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:

For addenda, revisions, or CCDs: CHECK THIS BOX ☐ to confirm that *all* post-approval documents have been stamped and signed by the Responsible Design Professional listed on form *DSA 1: Application for Approval of Plans and Specifications* for this project. (For *Deferred Submittals*, refer to *IR A-18: Use of Construction Documents Prepared by Other Professionals,* and *IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents*, when applicable, for signature and seal requirements.)

Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed):

Added information for Sewer near footing: C1.0, C2.0,C3.0, C4.0, A100, A103, S012. Clarified Grading and lighting for Drop-off-Area: C2.1, C3.1, C5.1, C6.1, A100, A501, E100, E133, E134, E601. Mechanical drawing M101, note added for EM system. Toilet accessories added A111. Site Exterior elevations added building sign A202. Specification Table of Contents revised and Sections 07 1326 and 10 2813 added. Write-up attached.

List of DSA-approved drawings affected by this post-approval document:

C1.0, C2.0, C3.0, C4.0, C5.1, C5.1, A100, A103, A111, A202, A501, S012, M101, E100, E601.

DSA USE ONLY

SSS_____ Date_____ ☐Approved ☐Disapproved ☐Not Required

Comments:_____

FLS_____ Date_____ ☐Approved ☐Disapproved ☐Not Required

Comments:_____

ACS_____ Date_____ ☐Approved ☐Disapproved ☐Not Required

Comments:_____

Returned	DSA STAMP
Date:	
By:	

BID #709 – Ventura College STEM Program Building Improvements

ADDENDUM 001, dated 05/15/2025

DRAWING changes and clarifications noted as Addendum 01 and dated 05/15/2025:

C1.0 – ADDED SHEETS C2.1, C3.1 AND C6.1 TO SHEET INDEX

C2.0 – ADDED DEMOLITION FOR SEWER TRENCHING, ADDED EXISTING SEWER LINE WITH PROTECT IN PLACE NOTE, DEMOLITION NOTES 8, 9 AND 12

C2.1 – DEMOLITION PLAN FOR DROP-OFF AREA

C3.0 – ADDED CONCRETE PAVEMENT NOTE FOR NEW SEWER LINE TRENCHING, REVISED CONSTRUCTION KEYNOTE 1, ADDED GENERAL NOTE 6, ADDED KEYNOTE 9

C3.1 – GRADING PLAN FOR DROP-OFF AREA

C4.0 – REALIGN NEW 6" DIAMETER SANITARY SEWER AND CLEANOUT, CONNECT TO EXISTING 6" DIAMETER SANITARY SEWER WITH CLEANOUT, REVISED SANITARY SEWER KEYNOTE 6, ADDED SANITARY SEWER POINT OF CONNECTION KEYNOTE 7, ADDED KEYNOTE 8, ADDED GENERAL NOTE FOR CONTRACTOR

C5.1 – ADDED REINFORCEMENT TO TRENCH DRAIN DETAIL 12/C5.1, NEW CONCRETE V-GUTTER DETAIL 18/C5.1

C6.1 – EROSION CONTROL PLAN FOR DROP-OFF AREA

A100 – CAMPUS SITE PLAN & STUDENT DROP OFF SITE PLAN: CONCRETE BENCH ADDED.

A103 –DETAIL 2/A103 CONNECTION TO STORM DRAIN ADDED, REFERENCED IN KEYNOTE 22.06

A111 – FLOOR PLAN: TOILET ACCESSORIES ADDED.

A202 – SITE EXTERIOR ELEVATIONS; 3/A202 SOUTH ELEVATION SITE, KN 10.02 BUILDING SIGN REVISED

A501 – DETAIL 7/A501, CONCRETE BENCH AT STUDENT DROP-OFF ADDED.

S012 – TYPICAL DETAILS: DETAIL 33/S012 SECTION AT RAMP LANDING EDGE KEY ADDED.

M101 – MECHANICAL NOTES, SCHEDULE, PLAN & DETAILS: NOTE 16 ADDED FOR EM SYSTEM.

E100 – GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST; NEW DRAWINGS E133, E134

E133 – NEW DRAWING; DROP OFF AREA LIGHTING EXISTING AND REVISED PLAN

E134 – NEW DRAWING; DROP OFF AREA LIGHTING NEW WORK AND PHOTOMETRIC PLAN

E601 – ELECTRICAL DETAILS; NEW DETAIL 7/E601 POLE LIGHT BASE DETAIL

SPECIFICATION section changes and additions noted as Addendum 01 and dated 05/15/2025:

00 0110 TABLE OF CONTENTS; ADDED SPECIFICATION SECTIONS 07 1326, 10 2813

07 1326 SELF-ADHERING SHEET WATERPROOFING; NEW SECTION

10 2813 TOILET ACCESSORIES; NEW SECTION

REQUEST FOR INFORMATION "RFI" REPLYS

1. Question: We've reviewed all bid documents for the Ventura College STEM Modular Building project and were unable to locate the AMS Responsibilities Matrix outlining the scope of services assigned to the General Contractor, Modular Contractor, and the School District.

   For reference, attached is an example of an AMS Responsibilities Matrix from a previous project we collaborated on with AMS.

   Please provide a Responsibilities Matrix from AMS for this current project.
   Reply: Refer to the contract documents the Responsibility matrix is provided for reference purposes only. Attached Responsibilities Matrix.

2. Question: AMS drawings E1.0-M and E1.2-M
   a. Please confirm that the AMS drawings noted above reflect what the floorplan will look like after installation of the (6) modules.
      Reply: There is additional electrical work in the building see E100-E420 and E601 and E604.
   b. Or, provide a more detailed electrical scope of remaining work after the installers walk away. To what extent is will the building be "pre-wired"??
      Reply: The electrical scope is provided in the contract documents. Refer to the AMS Matrix that is part of this addendum.

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)

GENERAL NOTES:

1. 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.

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

3. 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.

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

5. ALL WORK SHALL CONFORM TO THE REQUIREMENTS OF THE 2022 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.

6. 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.

7. 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.

8. 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.

9. 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.

10. 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.

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. NOT USED.

17. 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.

18. 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.

19. 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.

20. 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.

21. 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.

22. 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.

23. 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.

24. 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.

25. 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.

26. 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.

27. 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.

28. 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.

29. 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

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

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

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

PROJECT TITLE AND SCHOOL LOCATION

VENTURA COMMUNITY COLLEGE STEM MODULAR BUILDING
VENTURA COMMUNITY COLLEGE
4667 TELEGRAPH RD.
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

919 W. GLENOAKS BLVD.,
2nd FLOOR
GLENDALE, CA 91202

STAMPS/SEALS

1	DSA RESUBMITTAL	12/19/2024
1	ADDENDUM 001	05/15/2025
2		
3		

SHEET TITLE:

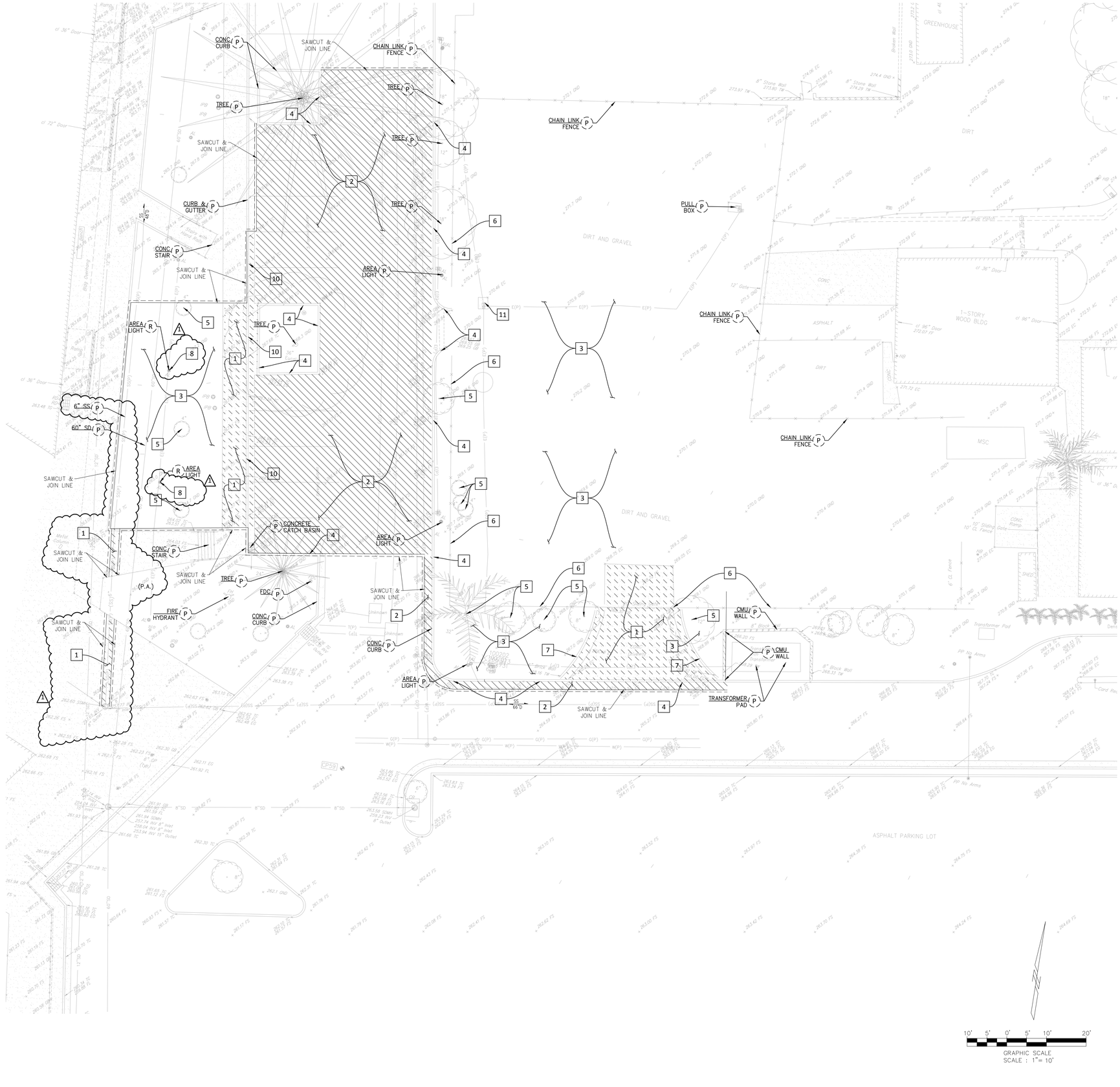
NOTES AND LEGEND

PROJECT NO.:	22-VCCCD-08	PROJECT ARCH:	Designer
DRAWN:	Author	CHECKED:	Checker

SHEET NUMBER:

C1.0

DATE: | SHEET: ___ OF ___



DEMOLITION NOTES:

1	CONCRETE PAVEMENT
2	ASPHALT CONCRETE PAVEMENT
3	CLEAR AND GRUB
4	CONCRETE CURB
5	TREE
6	CHAINLINK FENCE AND POST FOOTING
7	CMU WALL AND FOOTING
8	CONCRETE LIGHT POLE BASE
9	CONCRETE V-GUTTER
10	CONCRETE CURB AND GUTTER
11	PULL BOX
12	AREA LIGHT AND POST FOOTING
A	ADJUST TO GRADE
P	PROTECT IN PLACE
R	RELOCATE EXISTING ITEMS, CONTRACTOR SHALL COORDINATE WITH OAR

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. FOR DEMOLITION OR RELOCATION OF UNDERGROUND UTILITIES SEE SITE GRADING PLANS.
4. THE CONTRACTOR SHALL PROVIDE NOTIFICATION TO OWNERS PRIOR TO DEMOLITION OF EXISTING WALL/FENCE.
5. 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 OF NEW FENCING AND WALLS.
6. THE CONTRACTOR SHALL REPAIR AND RESTORE ANY STRUCTURES OR ADJOINING WALLS THAT RE DAMAGED DURING DEMOLITION.
7. CONSTRUCTOR SHALL DOCUMENT LOCATION OF ADA PARKING STRIPING AND SYMBOLS FOR RESTORATION UPON COMPLETION OF PAVING WORK.

LEGEND:

- LIMIT OF WORK
- SAWCUT & JOIN LINE
- REMOVE EXISTING CONCRETE PAVEMENT [1]
- REMOVE EXISTING ASPHALT CONCRETE PAVEMENT [2]
- [#] ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED.

DIVISION OF THE STATE ARCHITECT

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

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

PROJECT TITLE AND SCHOOL LOCATION

VENTURA COMMUNITY COLLEGE STEM MODULAR BUILDING
VENTURA COMMUNITY COLLEGE
4667 TELEGRAPH RD.
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
919 W. GLENOAKS BLVD., 2nd FLOOR
GLENDALE, CA 91202

STAMPS/SEALS

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

2	DSA RESUBMITTAL	12/19/2024
1	ADDENDUM 001	05/15/2025

SHEET TITLE:

DEMOLITION PLAN

PROJECT NO.:	2-VCCCD-08	PROJECT ARCH:	Designer
DRAWN:	Author	CHECKED:	Checker
SHEET NUMBER:	C2.0		
DATE:		SHEET:	5 OF ___

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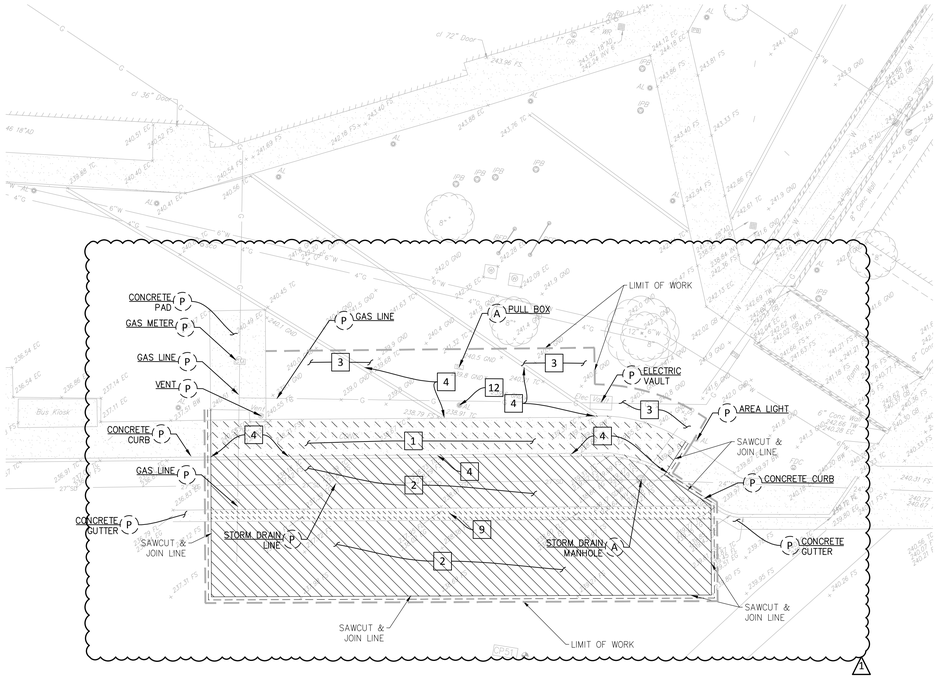

DEMOLITION NOTES:

1. CONCRETE PAVEMENT
2. ASPHALT CONCRETE PAVEMENT
3. CLEAR AND GRUB
4. CONCRETE CURB
5. TREE
6. CHAINLINK FENCE AND POST FOOTING
7. CMU WALL AND FOOTING
8. CONCRETE LIGHT POLE BASE
9. CONCRETE V-GUTTER
10. CONCRETE CURB AND GUTTER
11. PULL BOX
12. AREA LIGHT AND POST FOOTING

A. ADJUST TO GRADE

P. PROTECT IN PLACE

R. RELOCATE EXISTING ITEMS, CONTRACTOR SHALL COORDINATE WITH OAR

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. FOR DEMOLITION OR RELOCATION OF UNDERGROUND UTILITIES SEE SITE GRADING PLANS.
4. THE CONTRACTOR SHALL PROVIDE NOTIFICATION TO OWNERS PRIOR TO DEMOLITION OF EXISTING WALL/FENCE.
5. 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 OF NEW FENCING AND WALLS.
6. THE CONTRACTOR SHALL REPAIR AND RESTORE ANY STRUCTURES OR ADJOINING WALLS THAT RE DAMAGED DURING DEMOLITION.
7. CONSTRUCTOR SHALL DOCUMENT LOCATION OF ADA PARKING STRIPING AND SYMBOLS FOR RESTORATION UPON COMPLETION OF PAVING WORK.

LEGEND:

LIMIT OF WORK

SAWCUT & JOIN LINE

REMOVE EXISTING CONCRETE PAVEMENT [1]

REMOVE EXISTING ASPHALT CONCRETE PAVEMENT [2]

[#] ITEMS TO BE REMOVED UNLESS OTHERWISE NOTED.

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

GRAPHIC SCALE
SCALE : 1" = 10'

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SHEET TITLE:

DEMOLITION PLAN

PROJECT NO.: 2-VCCCD-08 | PROJECT ARCH: Designer
DRAWN: Author | CHECKED: Checker
SHEET NUMBER: 1 C2.1
DATE: | SHEET: 5 OF ____

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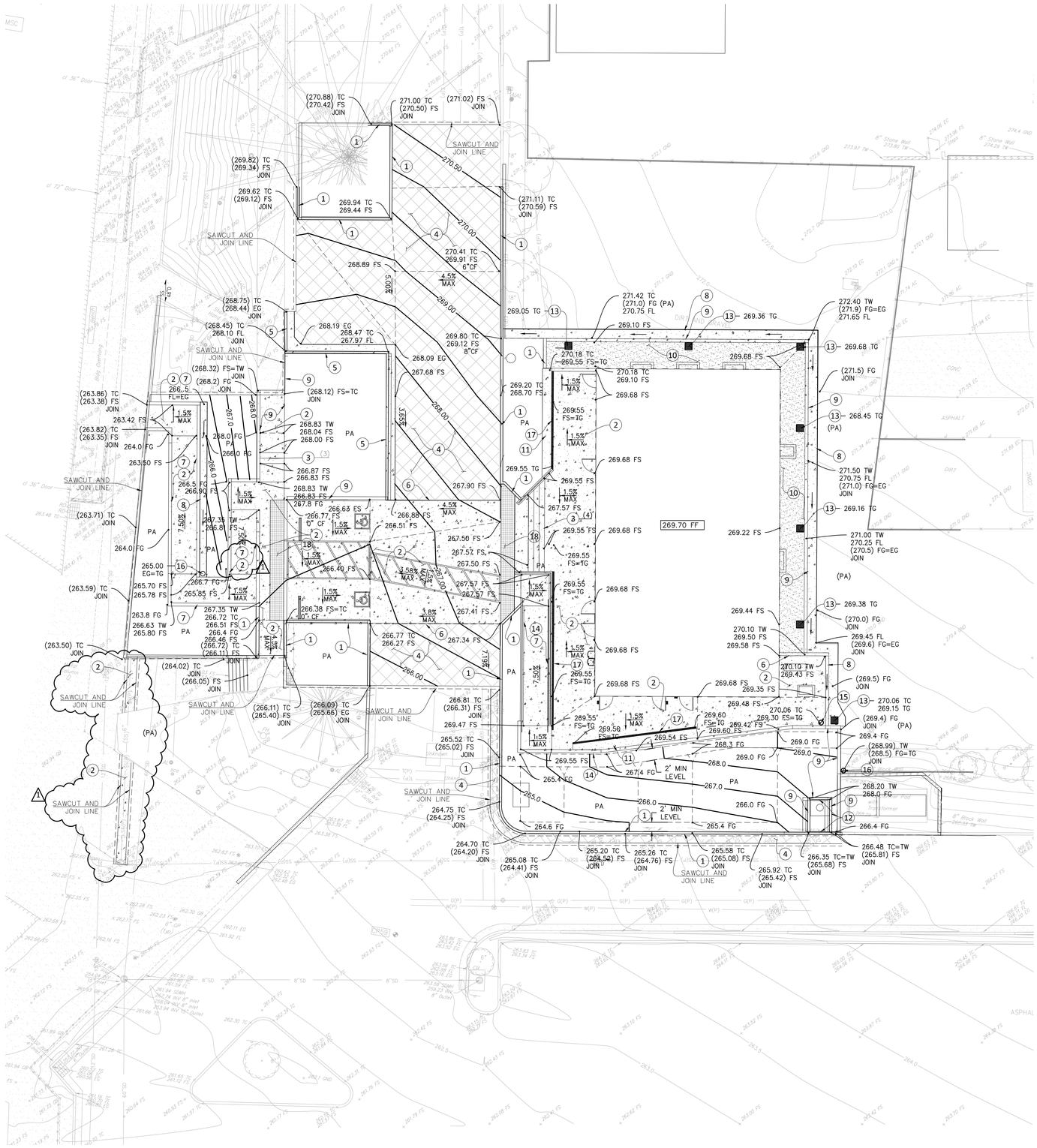

CONSTRUCTION NOTES:

1. CONCRETE CURB PER DETAIL 11/C5.0
2. CONCRETE PAVEMENT PER DETAIL 2/C5.0, TYPE PER PLAN
3. EQUAL CONCRETE RISERS SEE ARCHITECTURAL AND STRUCTURAL DETAILS 12/A501 AND 23/S011
4. ASPHALT CONCRETE PAVEMENT PER DETAIL 1/C5.0
5. CONCRETE CURB & GUTTER PER DETAIL 15/C5.1
6. THICKENED EDGE PER DETAIL 4/C5.0
7. CONCRETE RAMP AND HANDRAILS SEE ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS A401, A403 AND 18/S011
8. CONCRETE V-DRAIN PER DETAIL 14/C5.1 W=2'
9. PLANTER WALL, SEE ARCHITECTURAL PLANS FOR DETAILS
10. DECOMPOSED GRANITE, SEE LANDSCAPE ARCHITECTURAL DETAIL 13/L3.1
11. CONCRETE SEAT WALL, SEE ARCHITECTURAL DETAIL 7/A501
12. PARKWAY DRAIN, PER DETAIL 16/C5.1 ,SEE UTILITY PLAN
13. CONCRETE CATCH BASIN PER DETAIL 6/C5.0, SEE UTILITY PLAN.
14. RETAINING WALL, SEE ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS A501 AND 32/S012
15. AREA DRAIN PER DETAIL 9/C5.0 ,SEE UTILITY PLAN
16. PLANTER DRAIN PER DETAIL 10/C5.0, SEE UTILITY PLAN
17. TRENCH DRAIN PER DETAIL 12/C5.1 ,SEE UTILITY PLAN.
18. DETECTABLE WARNING STRIP, SEE ARCHITECTURAL DETAIL 10/A501
19. CONCRETE V-GUTTER PER DETAIL 18/C5.1

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.
3. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
4. TEMPORARY EROSION CONTROL TO BE INSTALLED BETWEEN OCTOBER 1 AND APRIL 15. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES.
5. CONSTRUCT CONCRETE CONTRACTION JOINTS AT A MAXIMUM 10'X10' GRID. CONSTRUCT ISOLATION JOINTS WHERE CONCRETE PAVEMENT ABUT AGAINST STRUCTURES (I.E. WALLS, FOOTINGS, PULL BOXES...) CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ENGINEER REVIEW. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. REFERENCE ARCHITECTURAL AND ELECTRICAL PLANS FOR LOCATIONS OF EXISTING AND PROPOSED AREA LIGHTS.

LEGEND:

- ASPHALT CONCRETE PAVEMENT PER DETAIL 1/C5.0
- CONCRETE PAVEMENT PER DETAIL 2/C5.0
- DECOMPOSED GRANITE

10' 5' 0' 5' 10' 20'
GRAPHIC SCALE
SCALE : 1"= 10'

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STAMPS/SEALS

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No. 82464
CIVIL
STATE OF CALIFORNIA

2	DSA RESUBMITTAL	12/19/2024
1	ADDENDUM 001	05/15/2025

SHEET TITLE:

GRADING PLAN

PROJECT NO.:	2-VCCCD-08	PROJECT ARCH:	Designer
DRAWN:	Author	CHECKED:	Checker

SHEET NUMBER:

C3.0

DATE:

SHEET: 5 OF ___

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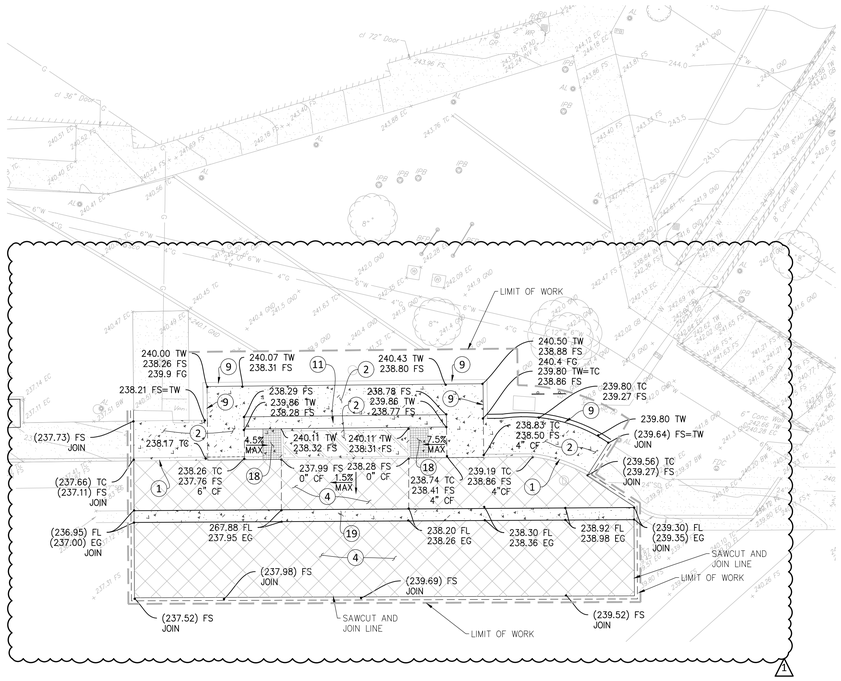

CONSTRUCTION NOTES:

1. CONCRETE CURB PER DETAIL 11/C5.0
2. CONCRETE PAVEMENT PER DETAIL 2/C5.0, TYPE PER PLAN
3. EQUAL CONCRETE RISERS SEE ARCHITECTURAL AND STRUCTURAL DETAILS 12/A501 AND 23/S011
4. ASPHALT CONCRETE PAVEMENT PER DETAIL 1/C5.0
5. CONCRETE CURB & GUTTER PER DETAIL 15/C5.1
6. THICKENED EDGE PER DETAIL 4/C5.0
7. CONCRETE RAMP AND HANDRAILS SEE ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS A401, A403 AND 18/S011
8. CONCRETE V-DRAIN PER DETAIL 14/C5.1 W=2'
9. PLANTER WALL, SEE ARCHITECTURAL PLANS FOR DETAILS
10. DECOMPOSED GRANITE, SEE LANDSCAPE ARCHITECTURAL DETAIL 13/L3.1
11. CONCRETE SEAT WALL, SEE ARCHITECTURAL DETAIL 7/A501
12. PARKWAY DRAIN, PER DETAIL 16/C5.1, SEE UTILITY PLAN
13. CONCRETE CATCH BASIN PER DETAIL 6/C5.0, SEE UTILITY PLAN.
14. RETAINING WALL, SEE ARCHITECTURAL AND STRUCTURAL PLANS AND DETAILS A501 AND 32/S012
15. AREA DRAIN PER DETAIL 9/C5.0,SEE UTILITY PLAN
16. PLANTER DRAIN PER DETAIL 10/C5.0, SEE UTILITY PLAN
17. TRENCH DRAIN PER DETAIL 12/C5.1,SEE UTILITY PLAN.
18. DETECTABLE WARNING STRIP, SEE ARCHITECTURAL DETAIL 10/A501
19. CONCRETE V-GUTTER PER DETAIL 18/C5.1

1

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.
3. NO FILL TO BE PLACED, UNTIL THE CITY GRADING INSPECTOR HAS INSPECTED AND APPROVED THE BOTTOM EXCAVATION.
4. TEMPORARY EROSION CONTROL TO BE INSTALLED BETWEEN OCTOBER 1 AND APRIL 15. OBTAIN GRADING INSPECTOR'S AND DEPARTMENT OF PUBLIC WORKS APPROVAL OF PROPOSED PROCEDURES.
5. CONSTRUCT CONCRETE CONTRACTION JOINTS AT A MAXIMUM 10'X10' GRID. CONSTRUCT ISOLATION JOINTS WHERE CONCRETE PAVEMENT ABUT AGAINST STRUCTURES (I.E. WALLS, FOOTINGS, PULL BOXES....) CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR ENGINEER REVIEW. SEE PROJECT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
6. REFERENCE ARCHITECTURAL AND ELECTRICAL PLANS FOR LOCATIONS OF EXISTING AND PROPOSED AREA LIGHTS.

1

LEGEND:

ASPHALT CONCRETE PAVEMENT PER DETAIL 1/C5.0

CONCRETE PAVEMENT PER DETAIL 2/C5.0

DECOMPOSED GRANITE

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

GRAPHIC SCALE
SCALE : 1" = 10'

DIVISION OF THE STATE ARCHITECT

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761 EAST DAILY DRIVE
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VENTURA COMMUNITY COLLEGE
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VENTURA, CA 93003

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213 624 2661 TEL
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GLENDALE, CA 91202

STAMPS/SEALS

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

1	DSA RESUBMITTAL	12/19/2024
1	ADDENDUM 001	05/15/2025

SHEET TITLE:

GRADING PLAN

PROJECT NO.: 2-VCCCD-08 | PROJECT ARCH: Designer
DRAWN: Author | CHECKED: Checker
SHEET NUMBER: 1 C3.1
DATE: | SHEET 5 OF

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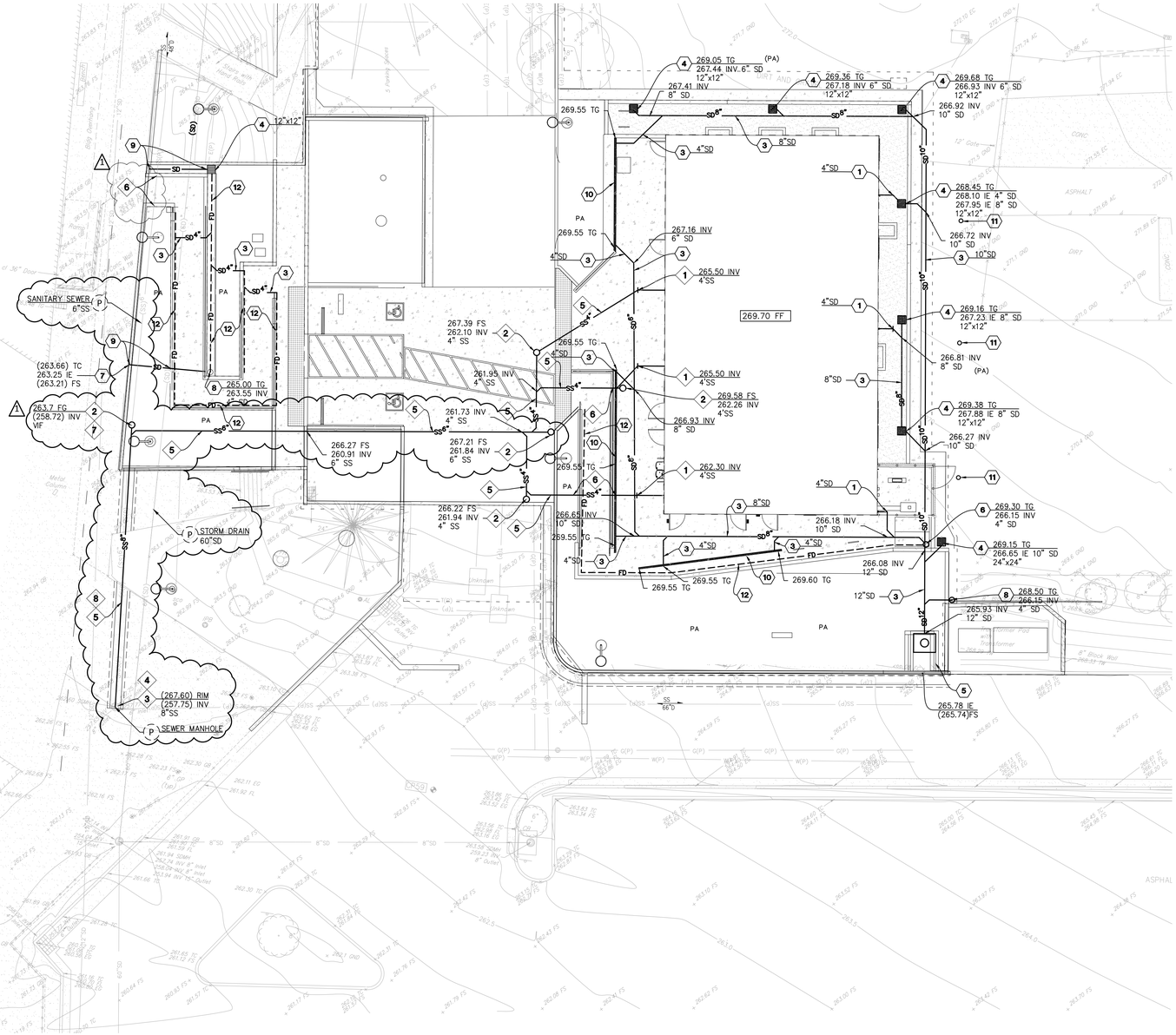

STORM DRAIN NOTES:

1. POINT OF CONNECTION, FOR CONTINUATION SEE PLUMBING DRAWING
2. CLEANOUT PER DETAIL 7/C5.0
3. SOLID PVC PIPE SCHEDULE 40 DWV SIZE PER PLAN
4. CONCRETE CATCH BASIN PER DETAIL 6/C5.0
5. PARKWAY DRAIN PER SPPWC-151-2, S=36" INLET PYPE I 16/C5.1
6. AREA DRAIN PER DETAIL 9/C5.0
7. 3"x5" RECTANGULAR CAST IRON PIPE THROUGH CURB FACE
8. PLANTER DRAIN PER DETAIL 10/C5.0
9. 3"X5" RECTANGULAR CAST IRON PIPE
10. TRENCH DRAIN PER DETAIL 12/C5.1
11. DRYWELL, SEE PLUMBING PLAN P301 FOR DETAILS
12. RETAINING WALL FOOTING DRAIN PER DETAIL 17/C5.1

1 (P) PROTECT IN PLACE

SANITARY SEWER NOTES:

1. POINT OF CONNECTION. FOR CONTINUATION SEE PLUMBING DRAWING
2. CLEANOUT PER DETAIL 7/C5.0
3. POINT OF CONNECTION TO EXISTING MANHOLE
4. BREAK INTO EXISTING MANHOLE PER STANDARD PLAN SPPWC-208-2
5. SOLID PVC PIPE, SCHEDULE 40 DWV, SIZE PER PLAN
6. CONSTRUCT CONCRETE ENCASEMENT WHERE PIPE CROSS BENEATH RETAINING WALL. SEE STRUCTURAL DETAIL 5/S010
7. POINT OF CONNECTION TO EXISTING SANITARY SEWER
8. REMOVE EXISTING 6" DIAMETER SANITARY SEWER AND CONSTRUCT 8" DIAMETER SANITARY SEWER

1

GENERAL NOTES:

1. ALL PIPES SHALL BE BEDDED IN ACCORDANCE WITH DETAIL 8 ON SHEET C5.0 AND SPECIFICATIONS.
2. DOMESTIC WATER SERVICE LINES SHALL HAVE A MINIMUM OF 30" OF COVER OVER THE TOP OF PIPE.
3. UNCLOG, CLEAN AND FLUSH THE WORK AREA DRAINAGE SYSTEM AFTER PAVING AND IMMEDIATELY BEFORE A RAIN FORECAST.
4. COORDINATE WITH UTILITIES SHOWN ON C4.0 AND ELECTRICAL DRAWINGS
5. PROVIDE A MINIMUM OF 12" VERTICAL CLEARANCE AT CROSSING BETWEEN SANITARY SEWER PIPE AND WATER PIPE OUTER DIAMETER. CONSTRUCT SANITARY SEWER LINE BENEATH WATER PIPE AT CROSSING
6. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES AND VERIFY IF THE CROSSING WITH PROPOSED UTILITIES WILL BE IN CONFLICT PRIOR TO EXCAVATION AND TRENCHING. NOTIFY ENGINEER OF ANY EXISTING CONFLICT PRIOR TO COMMENCING WITH THE WORK.

1

PIPE MATERIALS TO BE USED ON PROJECT:

1. SEWER:
   A. PVC SCHEDULE 40 DWV
2. STORM DRAINAGE
   A. PVC SCHEDULE 40 DWV

LEGEND:

- SD — PROPOSED STORM DRAIN SIZE PER PLAN
- (SD) — EXISTING STORM DRAIN
- SS — PROPOSED SANITARY SEWER SIZE PER PLAN
- (SS) — EXISTING SANITARY SEWER
- FD — FOOTING DRAIN

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

GRAPHIC SCALE
SCALE : 1"= 10'

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1	DSA RESUBMITTAL	12/19/2024
1	ADDENDUM 001	05/15/2025

SHEET TITLE:

UTILITY PLAN SANITARY SEWER AND STORM DRAIN

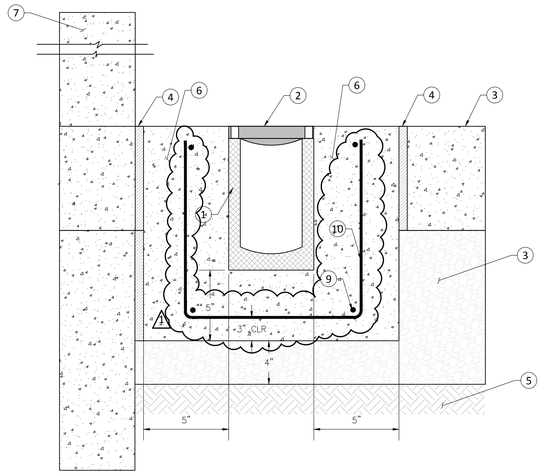
PROJECT NO.:	22-VCCCD-08	PROJECT ARCH:	Designer
DRAWN:	Author	CHECKED:	Checker

SHEET NUMBER:

C4.0

DATE:

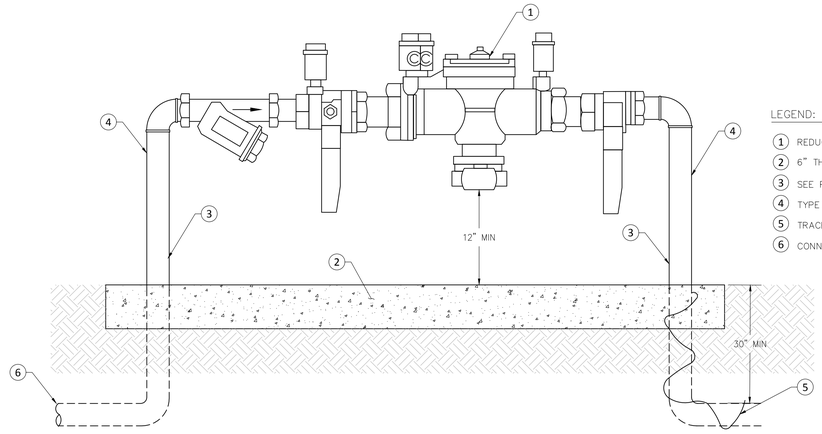
SHEET: 5 OF ___



LEGEND:

1. ACO K100 MODULAR TRENCH DRAIN
2. ACO KS100 STEEL GRATE, VANDAL PROOF, ADA COMPLIANT AND HEEL PROOF.
3. PAVEMENT SECTION PER PLAN
4. EXPANSION JOINT
5. 95% COMPACTED SUBGRADE
6. CONCRETE 4000 PSI COMPRESSIVE STRENGTH
7. SEE ARCHITECTURAL PLANS FOR RETAINING WALL/SEAT WALL WHERE OCCURS.
8. CRUSHED AGGREGATE BASE COMPACTED TO 95%
9. (4) #4 REBAR CONTINUOUS
10. #3 TIE BAR AT 24" ON CENTER

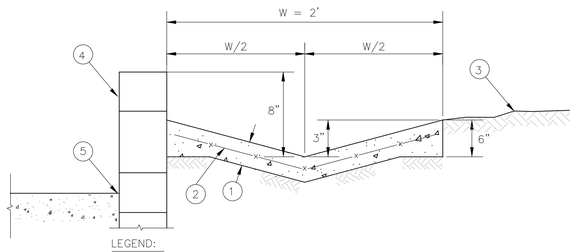
TRENCH DRAIN — N.T.S. — 12



LEGEND:

1. REDUCED PRESSURE ZONE ASSEMBLIES, 2" WATTS, MODEL LF009
2. 6" THICK PORTLAND CEMENT CONCRETE PAD
3. SEE PLAN FOR WATER LINE SIZE
4. TYPE K HARD ROPPER PIPE, SIZE PER PLAN
5. TRACER WIRE
6. CONNECT TO CURB STOP

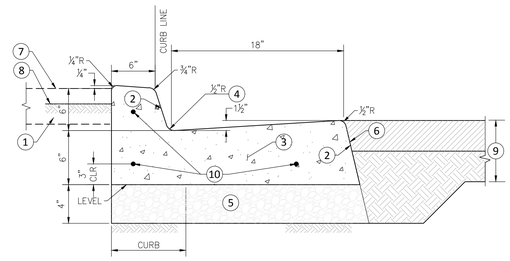
REDUCED PRESSURE ZONE ASSEMBLIES — N.T.S. — 13



LEGEND:

1. 4" THICK MINIMUM PORTLAND CEMENT CONCRETE, 3000 PSI COMPRESSIVE STRENGTH
2. 6x6 – W1.4 x W1.4 WELDED WIRE FABRIC.
3. FINISH GRADE PER PLAN.
4. PLANTER WALL, SEE ARCHITECTURAL PLAN FOR DETAILS
5. FINISH SURFACE PER PLAN

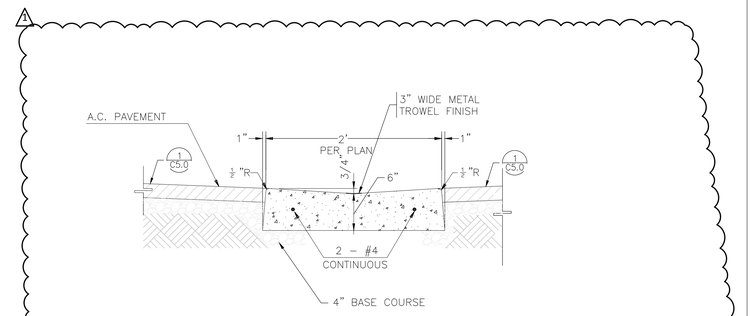
CONCRETE V – DRAIN — N.T.S. — 14



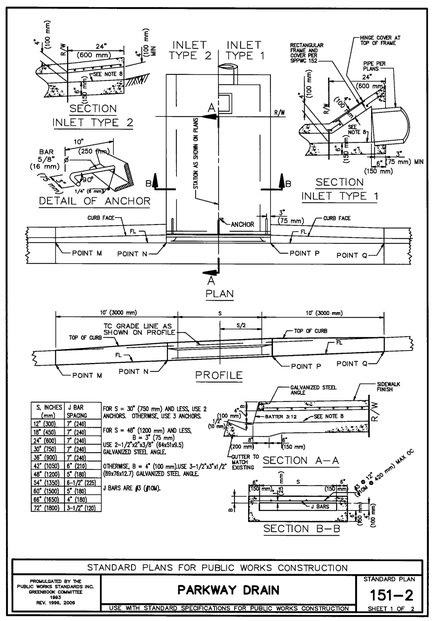
NOTES:

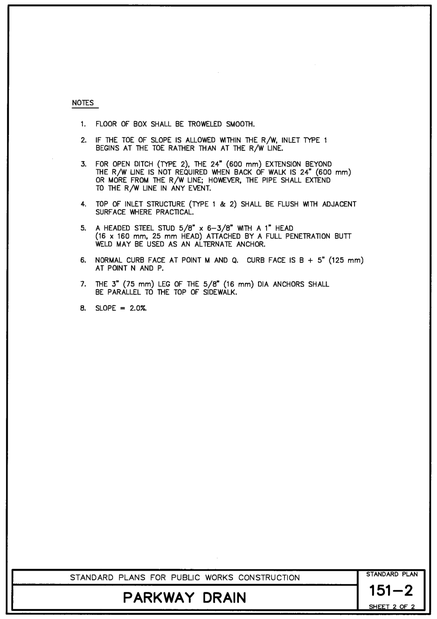
1. CURB FACE (CF) SHALL BE 6" UNLESS OTHERWISE INDICATED.
2. BATTER 1½:12.
3. PORTLAND CEMENT CONCRETE.
4. ELEVATION PER PLAN UNLESS OTHERWISE INDICATED.
5. BASE MATERIAL TO BE SAME THICKNESS AS ADJOINING PAVEMENT.
6. TACK COAT WHERE GUTTER ABUTS ASPHALT CONCRETE PAVEMENT.
7. SIDEWALK WHERE OCCURS (PREVENT BOND BETWEEN SIDEWALK AND CURB).
8. FINISH GRADE IN PLANTER AREAS TO BE 1 1/2" BELOW TOP OF CURB.
9. PAVEMENT SECTION PER PLAN.
10. 3 – #4 BARS, CONTINUOUS.

CONCRETE CURB AND GUTTER — N.T.S. — 15



CONCRETE V-GUTTER — N.T.S. — 18



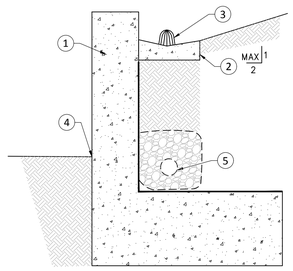


NOTES

1. FLOOR OF BOX SHALL BE TROWELED SMOOTH.
2. IF THE TOE OF SLOPE IS ALLOWED WITHIN THE R/W, INLET TYPE 1 BEGINS AT THE TOE RATHER THAN AT THE R/W LINE.
3. FOR OPEN DITCH (TYPE 2), THE 24" (600 mm) EXTENSION BEYOND THE R/W LINE IS NOT REQUIRED WHEN BACK OF WALK IS 24" (600 mm) OR MORE FROM THE R/W LINE. HOWEVER, THE PIPE SHALL EXTEND TO THE R/W LINE IN ANY EVENT.
4. TOP OF INLET STRUCTURE (TYPE 1 & 2) SHALL BE FLUSH WITH ADJACENT SURFACE WHERE PRACTICAL.
5. A HEADED STEEL STUD 5/8" x 6–3/8" WITH A 1" HEAD (16 x 160 mm, 25 mm HEAD) ATTACHED BY A FULL PENETRATION BUTT WELD MAY BE USED AS AN ALTERNATE ANCHOR.
6. NORMAL CURB FACE AT POINT M AND Q. CURB FACE IS B + 5" (125 mm) AT POINT N AND P.
7. THE 3" (75 mm) LEG OF THE 5/8" (16 mm) DIA ANCHORS SHALL BE PARALLEL TO THE TOP OF SIDEWALK.
8. SLOPE = 2.0%

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
PARKWAY DRAIN
STANDARD PLAN 151–2
SHEET 2 OF 2

PARKWAY DRAIN — N.T.S. — 16



LEGEND:

1. RETAINING WALL, SEE STRUCTURAL PLAN
2. CONCRETE V–GUTTER, WHERE OCCURS
3. PLANTER DRAIN, WHERE OCCURS
4. FINISH SURFACE, ELEVATION PER PLAN
5. ONE CUBIC FOOT OF 3/4" CLEAN CRUSHED DRAINAGE ROCKS, WRAPPED WITHIN FILTER FABRIC. 4" DIAMETER PERFORATED PIPE. HOLES DOWN, SLOPING AT 1% MINIMUM, CENTERED IN ROCK POCKET, CONTINUOUS

RETAINING WALL FOOTING DRAIN — N.T.S. — 17

DIVISION OF THE STATE ARCHITECT

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PROJECT TITLE AND SCHOOL LOCATION

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THOMAS M. TRAN
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0	DSA RESUBMITTAL	12/19/2024
1	ADDENDUM 001	05/15/2025

SHEET TITLE:

DETAILS

PROJECT NO.: 2-VCCCD-08 | PROJECT ARCH: Designer
DRAWN: Author | CHECKED: Checker
SHEET NUMBER:

C5.1

DATE: | SHEET: 5 OF

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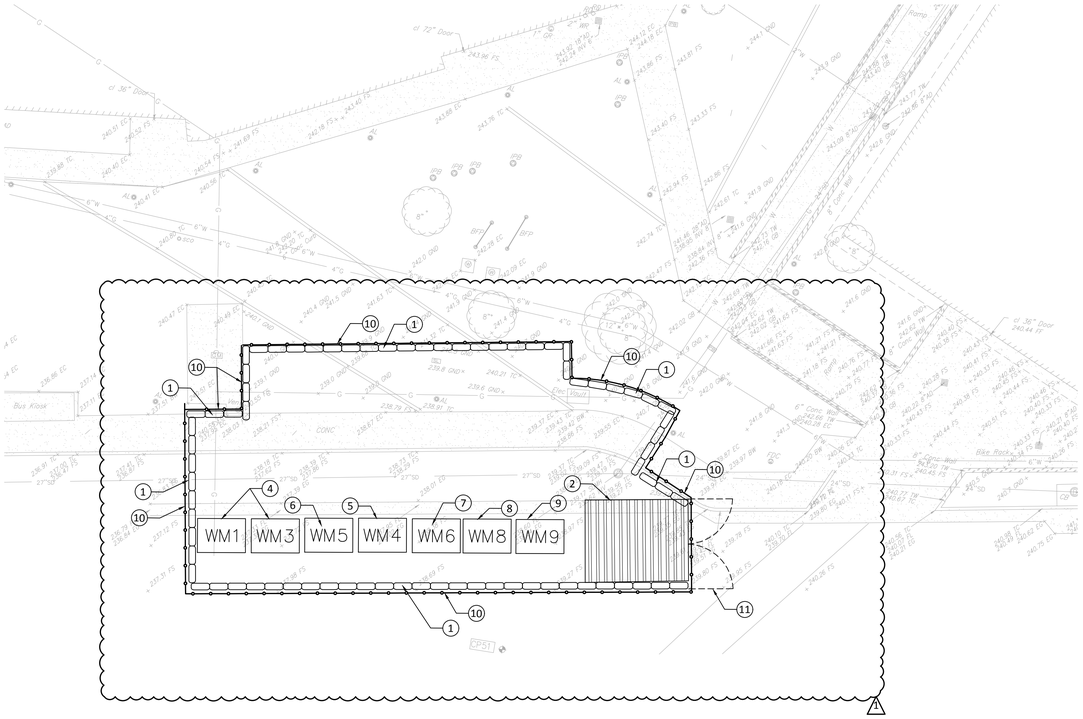


EROSION CONTROL NOTES:

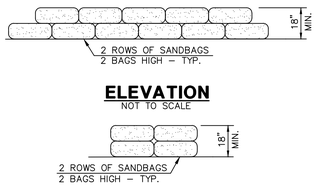
ALL EROSION CONTROL PLANS SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP'S) AND STANDARDS OUTLINED WITHIN THE LAUSD DESIGN MANUAL. NO GRADING PERMIT SHALL BE ISSUED WITHOUT AN EROSION CONTROL PLAN APPROVED BY LAUSD. THE EROSION CONTROL PLAN SHALL INCLUDE DETAILS OF PROTECTIVE MEASURES, INCLUDING DESILTING BASINS OR OTHER TEMPORARY DRAINAGE OR CONTROL MEASURES, OR BOTH, AS MAY BE NECESSARY TO PROTECT THE WATER QUALITY OF RECEIVING WATER BODIES OR TO PROTECT ADJOINING PUBLIC AND PRIVATE PROPERTY FROM DAMAGE FROM EROSION, FLOODING OR THE DEPOSITION OF MUD OR DEBRIS WHICH MAY ORIGINATE FROM THE SITE OR RESULT FROM SUCH GRADING OPERATIONS.

1. ALL EROSION CONTROL PLANS SHALL BE IN ACCORDANCE WITH THE CONSTRUCTION SITE BEST MANAGEMENT PRACTICES (BMP'S).
2. THE CONTRACTOR IS RESPONSIBLE FOR ANY DISCHARGES BY SUBCONTRACTORS.
3. ALL CONSTRUCTION CONTRACTORS AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REQUIRED BMPS AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
4. IN CASE OF EMERGENCY, CALL _____ (RESPONSIBLE PERSON) AT _____ (24–HOUR PHONE NUMBER).
5. AREAS THAT ARE CLEARED AND GRADED SHALL BE LIMITED TO ONLY THE PORTION OF THE SITE THAT IS NECESSARY FOR CONSTRUCTION. THE CONSTRUCTION SITE SHALL BE MANAGED TO MINIMIZE THE EXPOSURE TIME OF DISTURBED SOIL AREAS THROUGH PHASING AND SCHEDULING OF GRADING AND THE USE OF TEMPORARY AND PERMANENT SOIL STABILIZATION.
6. ONCE DISTURBED, GRADED SLOPES EXCEEDING A 3:1 RATIO AND/OR TEN (10) FEET IN HEIGHT (TEMPORARY OR PERMANENT) SHALL BE STABILIZED IF THEY WILL NOT BE WORKED WITHIN 7 DAYS. DURING THE STORM SEASON, ALL SLOPES SHALL BE STABILIZED 24 HOURS PRIOR TO A PREDICTED STORM EVENT. CONSTRUCTION SITES SHALL BE RE–VEGETATED AS EARLY AS FEASIBLE AFTER SOIL DISTURBANCE AND WITHIN 7–DAYS OF COMPLETION.
7. DUST SHALL BE CONTROLLED BY WATERING OR OTHER METHODS APPROVED BY LAUSD.
8. PLACEMENT OF DEVICES TO REDUCE EROSION DAMAGE WITHIN THE DEVELOPMENT SHALL BE SHOWN ON THE APPROVED PLAN.
9. DISCHARGING OF CONTAMINATED SOILS VIA SURFACE EROSION IS PROHIBITED.
10. CONSTRUCTION ACCESS POINTS SHALL BE STABILIZED WITH A COMBINATION OF ROCK AND SHAKER PLATES YEAR–ROUND TO PREVENT TRACK–OUT. ROUTINE STREET SWEEPING SHALL BE PERFORMED ON ALL PAVED STREETS WHERE TRACKING IS OBSERVED. VACUUM SWEEPERS SHALL BE USED WHEN STREET SWEEPING BECOMES INEFFECTIVE.
11. CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORM WATER (NON–STORM WATER) ARE PROHIBITED EXCEPT AS AUTHORIZED BY AN INDIVIDUAL NPDES PERMIT UNDER THE STATEWIDE GENERAL PERMIT – CONSTRUCTION ACTIVITY.
12. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS; WASTES FROM PAINTS, STAINS, SEALANTS, SOLVENTS, DETERGENTS, GLUES, LIME, PESTICIDES, HERBICIDES, FERTILIZERS, WOOD PRESERVATIVES, AND ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; CONCRETE AND RELATED CUTTING OR CURING RESIDUES; FLOATABLE WASTES; WASTES FROM ENGINE/EQUIPMENT STEAM CLEANING OR CHEMICAL DEGREASING; WASTES FROM STREET CLEANING; AND SUPER–CHLORINATED POTABLE WATER FROM LINE FLUSHING AND TESTING. DURING CONSTRUCTION, DISPOSAL OF SUCH MATERIALS SHOULD OCCUR IN A SPECIFIED AND CONTROLLED TEMPORARY AREA ON–SITE PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIMATE DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
13. RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITE AND MUST NOT BE DISCHARGED TO RECEIVING WATERS OR THE LOCAL STORM DRAIN SYSTEM.
14. APPROPRIATE BMPS FOR CONSTRUCTION–RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED TO ELIMINATE OR REDUCE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY WIND OR RUNOFF.
15. MATERIAL STORAGE AND STAGING AREAS SHALL BE ESTABLISHED. FUEL TANK, PORTABLE TOILETS, LIQUIDS, GELS AND POWDERS SHALL HAVE SECONDARY CONTAINMENT AND BE STORED AWAY FROM ALL PRIVATE / PUBLIC STORM WATER CONVEYANCE SYSTEMS, SIDEWALKS, RIGHTS–OF–WAYS AND FLOW–LINES.
16. ALL PORTABLE MIXERS SHALL HAVE PLASTIC LINERS UNDERNEATH WITH GRAVEL BAGS PLACES ON THE DOWN–HILL SIDE OF THE LINERS TO CONTAIN DISCHARGES.
17. CONTROLLED STREET WASHING WILL ONLY BE ALLOWED PRIOR TO THE APPLICATION OF ASPHALT SEAL COATS AND ONLY WHEN ALL PERTINENT DRAINAGE INLETS ARE PROTECTED.
18. DISCHARGING CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING GROUNDWATER THAT HAS INFILTRATED INTO THE CONSTRUCTION SITE IS PROHIBITED. DISCHARGING NON–CONTAMINATED GROUNDWATER PRODUCED BY DEWATERING ACTIVITIES MAY REQUIRE A NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT FROM THE REGIONAL WATER QUALITY CONTROL BOARD.
19. STORM WATER RUNOFF SHALL NOT BE DIRECTED OVER ANY SLOPES WITHOUT PERMANENT DOWN DRAINS INSTALLED. EROSION AND SEDIMENT CONTROLS INCLUDING MAINTENANCE ARE REQUIRED ON ALL EXPOSED SLOPES UNTIL SUFFICIENT PERMANENT LANDSCAPING HAS BEEN ESTABLISHED. 100% SLOPE PROTECTION MUST BE IN PLACE PRIOR TO THE ISSUANCE OF THE FINAL CERTIFICATE OF OCCUPANCY.
20. VEGETATION CLEARING AND BRUSHING ACTIVITIES SHALL NOT BE INITIATED DURING THE WET SEASON ON ANY SITES WHICH ARE NOT ADEQUATELY PROTECTED WITH DESILTING BASINS OR OTHER TEMPORARY DRAINAGE OR CONTROL MEASURES.
21. STOCKPILES OF SOIL SHALL BE PROPERLY SECURED WITH BMP'S TO ELIMINATE OR REDUCE SEDIMENT TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND. STOCKPILES INACTIVE FOR A PERIOD OF 14 DAYS OR MORE SHALL BE COVERED; ACTIVE STOCKPILES SHALL BE COVERED PRIOR TO A FORECASTED RAIN.
22. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY, ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS SHALL BE COLLECTED AND PROPERLY DISPOSED OF IN TRASH OR RECYCLE BINS.

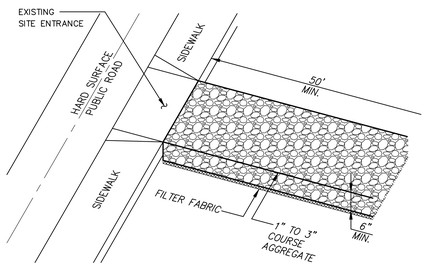
CONSTRUCTION NOTES:

1. CONSTRUCT SANDBAG BARRIER, BMP* SE–6 PER DETAIL A HEREON.
2. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE, BMP* TC–2 PER DETAIL B HEREON.
3. CONSTRUCT CATCH BASIN/AREA DRAIN SANDBAG BARRIER, BMP* SE–10 PER DETAIL D HEREON
4. INSTALL STOCKPILE MANAGEMENT & MATERIAL DELIVERY AND STORAGE PER CASQA WM–1 & WM–3. CONTRACTOR TO RELOCATE AS NECESSARY.
5. INSTALL SPILL PREVENTION AND CONTROL PER CASQA WM–4. CONTRACTOR TO RELOCATE AS NECESSARY.
6. INSTALL SOLID WASTE MANAGEMENT PER CASQA WM–5. CONTRACTOR TO COVER DUMPSTER WITH PLASTIC TARP PRIOR TO RAIN EVENTS. CONTRACTOR TO RELOCATE AS NECESSARY.
7. INSTALL HAZARDOUS WASTE MANAGEMENT PER CASQA WM–6. CONTRACTOR TO RELOCATE AS NECESSARY.
8. INSTALL CONCRETE WASTE MANAGEMENT PER CASQA WM–8. CONTRACTOR TO RELOCATE AS NECESSARY.
9. INSTALL SANITARY/SEPTIC WASTE MANAGEMENT PER CASQA WM–9. CONTRACTOR TO RELOCATE AS NECESSARY.
10. INSTALL 8' CHAIN LINK FENCE WITH GREEN SCREEN FABRIC.
11. ENTRANCE GATE.
12. CONSTRUCT INLET CULVERT SAND BAGS PER DETAIL C HEREON

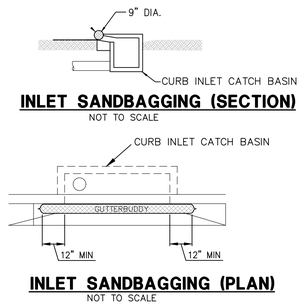
10' 5' 0' 5' 10' 20'
GRAPHIC SCALE
SCALE : 1"= 10'



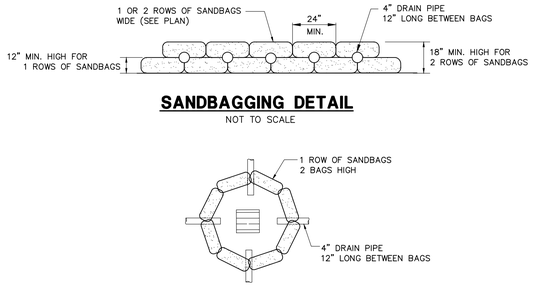
A **SANDBAGGING DETAIL**
NOT TO SCALE



B **STABILIZED CONSTRUCTION ENTRANCE**
NOT TO SCALE



C **INLET CATCH BASIN DETAIL**
NOT TO SCALE



D **CATCH BASIN/AREA DRAIN SANDBAGGING DETAIL**
NOT TO SCALE

DIVISION OF THE STATE ARCHITECT

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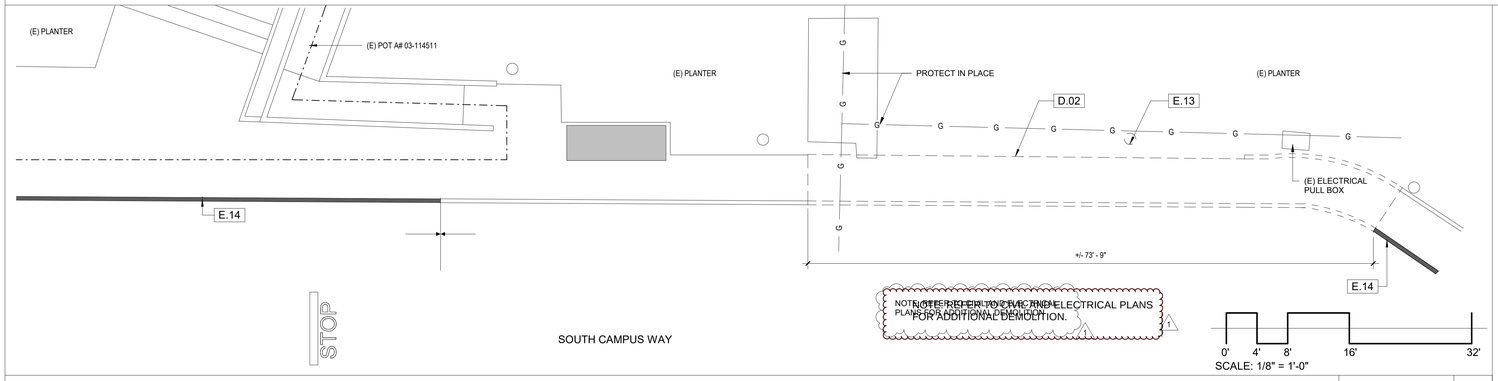
1	DSA RESUBMITTAL	12/19/2024
1	ADDENDUM 001	05/15/2025

SHEET TITLE:

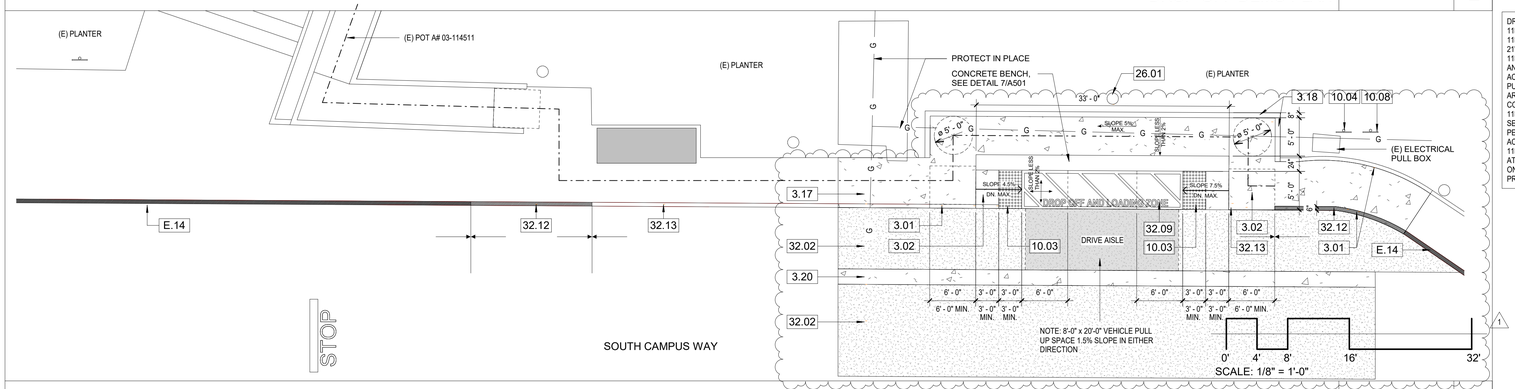
EROSION CONTROL PLAN

PROJECT NO.: 22-VCCCD-08 | PROJECT ARCH: Designer
DRAWN: Author | CHECKED: Checker
SHEET NUMBER: 1 C6.1
DATE: | SHEET 3 OF

CAMPUS SITE PLAN | 1" = 100'-0" | 1



DROP-OFF DEMO PLAN | 1/8" = 1'-0" | 2



DROP-OFF NEW PLAN | 1/8" = 1'-0" | 3

LEGEND

- ACCESSIBLE PATH OF TRAVEL A#03-110214 - SEE SITE NOTE #2
- BLDG — EXISTING BUILDING NOT IN SCOPE
- BLDG — AREA OF WORK AT (E) BLDG.
- CONCRETE HARDSCAPE
- ASPHALT CONCRETE PAVEMENT
- TRUNCATED DOME MAT
- (E)FH — (E) FIRE HYDRANT
- (E) POLE LIGHT
- 20'-0" WIDE EMERGENCY VEHICLE ACCESS ROADWAY
- G — (E) GAS LINE - PROTECT IN PLACE
- (E) RED CURB MARKING
- (N) RED CURB MARKING

DROP OFF AND LOADING ZONE NOTE OF COMPLIANCE:
11B-503.1 DROP OFF AND LOADING ZONE SHALL MEET 11B-503.
11B-503.2 VEHICULAR PULL-UP SPACE IS VEHICULAR AISLE CLOSEST TO DROP OFF AREA 21'-0" LONG BY AISLE WIDTH, EXCEEDS THE REQUIRED 20 FEET LONG X 96" WIDE. 11B-503.3 ACCESS AISLE IS PARALLEL AND ADJACENT TO VEHICULAR PULL-UP SPACE AND ADJOINS AN ACCESSIBLE ROUTE AND DOES NOT OVERLAP THE VEHICULAR WAY. ACCESS AISLE EXCEEDS 60 INCH MINIMUM AND IS FULL LENGTH OF THE VEHICULAR PULL-UP SPACE SERVED. MARKINGS ARE PROVIDED WITH A PAINTED BORDERLINE AROUND PERIMETER WITH HATCHED LINES A MAXIMUM OF 36" ON CENTER IN A CONTRASTING COLOR WITH THAT OF THE AISLE SURFACE (REFER TO KEYNOTE 32.09). 11B-503.4 ACCESS AISLE SHALL BE THE SAME LEVEL AS THE VEHICLE PULL-UP SPACE SERVED WITH SLOPES NOT EXCEEDING 1:48, DETECTIBLE WARNINGS ARE NOT PERMITTED IN LENGTH OF ACCESS AISLE (DETECTABLE WARNINGS ARE OUTSIDE THE ACCESS AISLE MARKED, KEYNOTE 10.03).
11B-503.5 VERTICAL CLEARANCES ARE MAINTAINED, A MINIMUM VERTICAL CLEARANCE AT DESIGNATED PASSENGER DROP-OFF AND LOADING ZONES, AND ALONG AT LEAST ONE VEHICLE ACCESS ROUTE TO THE AREA FROM SITE ENTRANCES AND EXITS, SHALL PROVIDE FOR 115 INCH VERTICAL CLEARANCE.

KEYNOTES

3.01	6" CONCRETE CURB
3.02	CONCRETE RAMP WITH MAX. CROSS SLOPE 2%, SEE CIVIL DWGS.
3.17	CONCRETE PAVING PER CIVIL SHEET C3.0, SEE DETAIL 2/C5.0
3.18	8" RETAINING WALL, SEE DETAIL 32/S012
3.20	CONCRETE V-GUTTER, SEE CIVIL DETAIL 18/C5.1
10.03	TACTILE WARNING TRUNCATED DOME MAT - SEE DETAIL 10/A501
10.04	POST MOUNTED FIRE LANE SIGN EVERY 150' ALONG FIRE LANE - SEE DETAIL 13/A802
10.08	POST MOUNTED DROP-OFF AND LOADING SIGN - SEE DETAIL 6/A801
26.01	(N) LOCATION FOR RELOCATED (E) LIGHT STANDARD SEE 2/E604
32.02	ASPHALT PAVING PER CIVIL DETAIL 1/C5.0
32.09	PAINT MARKINGS OF DROP OFF AND LOADING ZONE WITH A PAINTED BORDERLINE AROUND PERIMETER WITH HATCHED LINES A MAXIMUM OF 36" ON CENTER IN A CONTRASTING COLOR WITH THAT OF THE AISLE SURFACE.
32.12	PAINT RED CURB MARKING: CURB TOP AND SIDE PAINTED RED, AND THE WORDS, "FIRE LANE" IN WHITE, SHALL BE STENCILED ON THE TOP AND SIDE OF ALL RED CURBS AT A MAXIMUM INTERVAL OF 50 FEET.
32.13	REPAINT CURB TOP AND SIDE YELLOW
D.02	DEMOLISH
E.13	(E) AREA LIGHT TO BE RELOCATED SEE ELECTRICAL AND ARCHITECTURE FOR LOCATION
E.14	(E) RED CURB MARKING: CURB TOP AND SIDE PAINTED RED, AND THE WORDS, "FIRE LANE" IN WHITE, STENCILED ON THE TOP AND SIDE OF RED CURBS AT A MAXIMUM INTERVAL OF 50 FEET.

SITE NOTES

1. ALL ITEMS SHOWN ARE NEW UNLESS NOTED AS EXISTING.
2. PATH OF TRAVEL (P.O.T.) AND ACCESSIBLE ROUTE OF TRAVEL AS INDICATED IS A COMMON BARRIER FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. THE SURFACE SHALL BE SLIP RESISTANT, STABLE AND FIRM. PASSING SPACES AT LEAST 60" x 60" SHALL BE LOCATED NOT MORE THAN 200' APART. PARTS OF P.O.T. WITH CONTINUOUS GRADIENTS SHALL HAVE 60" LEVEL AREAS CROSS-SLOPE LESS THAN 5% RUNNING SLOPE IN THE DIRECTION OF TRAVEL. SLOPES GREATER THAN 5% TO A MAXIMUM OF 8.33% SHALL BE CONSIDERED AS A RAMP (2019 CBC 11B-405.2). THERE SHALL BE NO DROP-OFF OVER 4" ALONG THE EDGE OF WALK OR LANDING. PROVIDE 6" HIGH WARNING CURB IF HIGHER THAN 4". P.O.T. SHALL BE MAINTAINED FREE OF OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11B-307.2). ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11B-403.
3. DESIGN PROFESSIONAL IN GENERAL RESPOSIBLE 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 NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR 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 NONCOMFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCE, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF CONSTRUCTION CHANGE DOCUMENT.
4. EMERGENCY VEHICLE ACCESS ROADWAY SHALL BE IDENTIFIED BY RED CURB MARKING AND ROADWAY SURFACE MARKING. RED CURB MARKING: CURB TOP AND SIDE PAINTED RED, AND THE WORDS, "FIRE LANE" IN WHITE, SHALL BE STENCILED ON THE TOP AND SIDE OF ALL RED CURBS AT A MAXIMUM INTERVAL OF 50 FEET. SUCH MARKINGS SHALL BE IN ACCORDANCE WITH LOCAL FIRE DEPARTMENT.

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CONSULTANT

STAMPS/SEALS

1 05/15/25 ADDENDUM 001

SHEET TITLE:

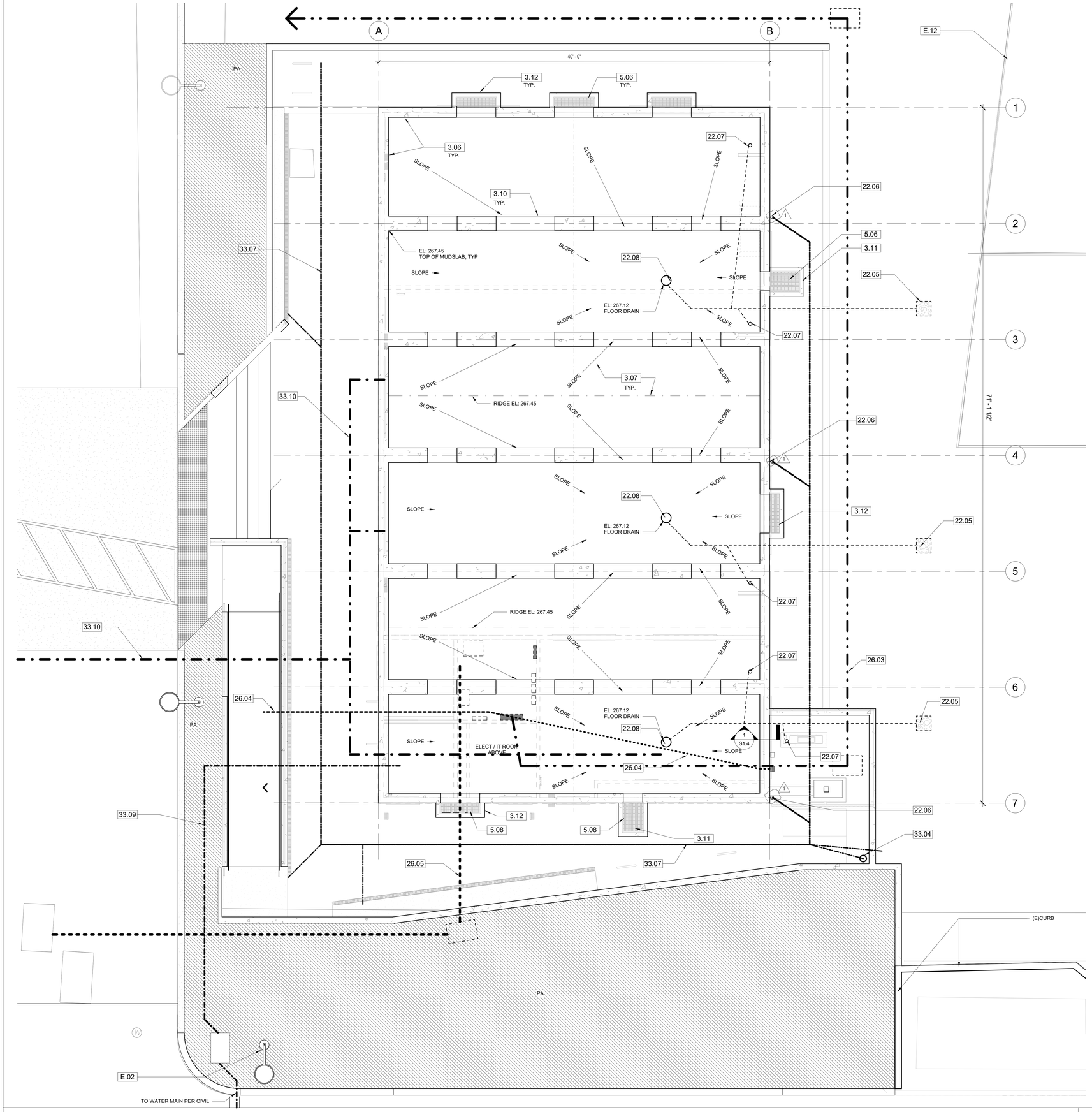
CAMPUS SITE PLAN & STUDENT DROP OFF SITE PLAN

PROJECT NO: 22-VCCCD-08	PROJECT ARCH: Designer
DRAWN: Author	CHECKED: Checker

SHEET NUMBER:

A100

DATE: 9/3/24 | SHEET: ___ OF ___



FOUNDATION / UTILITY PLAN | 1/4" = 1'-0" | 1

KEYNOTES

3.06	SITE-BUILT CONCRETE FOUNDATION WALLS PER AMS MODULAR PC FOUNDATION PLAN FOR CONCRETE FLOOR W/ 50 + 15 FLOOR LOAD, NOTE TOP OF FOOTING EL: 268.95 TYP
3.07	2" CONCRETE SLAB AT CRAWLSPACE, SLOPE 1% TO DRAIN TO NEAREST AREA DRAIN, OVER 15 MIL VAPOR BARRIER PER SPECIFICATION 07 2600
3.10	OPENINGS IN FOOTINGS PER AMS TYP, FROM BOTTOM OF STEEL BEAM TO BOTTOM OF CONCRETE SLAB, SLAB CONTINUOUS UNDER OPENINGS AND SLOPED TO DRAIN
3.11	CRAWL SPACE ACCESS OPENING, WELL WALLS AND GRATE PER AMS MODULAR PC DETAIL 1/S1.5M - LOCATION MAY VARY
3.12	CRAWLS SPACE VENTILATION WELL WALLS AND GRATE PER AMS MODULAR PC DETAIL 2/S1.4M
5.06	METAL GRATE, FRAME AND HARDWARE PER AMS PLANS; CONTRACTOR TO PURCHASE FROM AMS MODULAR AND INSTALL PER AMS MODULAR PC PLAN DETAILS;
5.08	WALLS AND GRATES FLUSH TO GRADE WITH ADA COMPLIANT GRATES
22.05	DRYWELL PER PLUMBING, MIN 15' FROM BUILDING FOUNDATION SEE SHEET P301 AND DETAIL 4/P301
22.06	DOWNSPOUT, CONNECT TO STORM DRAIN PER CIVIL C4.0 AND DETAIL 2/A103
22.07	CONDENSATE DRAIN, CONNECT TO DRYWELL PER PLUMBING P301
22.08	CRAWLSPACE AREA DRAIN CONNECT TO DRYWELL PER PLUMBING P301
26.03	MAIN POWER FEED AND PULL BOX APPROX LOCATION, REFER TO ELECTRICAL SHEET E140
26.04	CONDUIT FOR SITE LIGHTING / SHUTOFFS PER ELECTRICAL E140
26.05	COMM LINES TO PANEL PER ELECT SHEET E140
33.04	AREA DRAIN, SEE CIVIL C3.0 AND DETAIL 9/C5.0
33.07	STORM DRAIN LINE APPROX LOCATION REFER TO CIVIL C 4.0
33.09	WATER LINE APPROX LOCATION PER CIVIL C4.1
33.10	SANITARY SEWER LINE APPROX LOCATION REFER TO CIVIL C4.0
E.02	(E) LIGHT STANDARD TO REMAIN, TYPICAL
E.12	(E) CHAIN LINK FENCE TO REMAIN

GENERAL NOTES

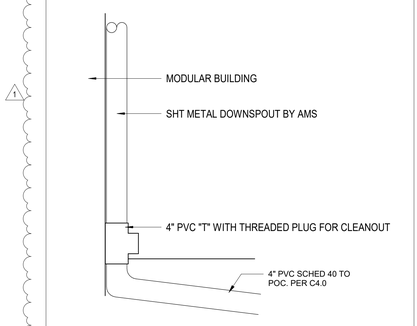
1. MODULAR BUILDING TO BE INSTALLED IS AS PER AMS MODULAR DRAWINGS PC DRAWING SET AND APPROVED POC DRAWINGS.
ANY INFORMATION SHOWN HERE IS FOR COORDINATION PURPOSES ONLY. ALL DETAILS, SPECIFICATIONS, INTERIOR FINISHES, DOORS, WINDOWS, WALLS, SYSTEMS AND FURNISHINGS ARE AS PER AMS CONTRACT WITH OWNER AND THEREFORE NOT REPRESENTED HERE.

2. THIS WORK INCLUDES ALL SITE RELATED WORK SUCH AS CURBS, SIDEWALKS, RAMPS, STAIRS, PARKING, FLATWORK, LANDSCAPING, FOUNDATIONS, DRAINAGE, UTILITIES, EQUIPMENT, FENCING AND PROPER CONNECTION TO MODULAR BUILDING.

3. ALL WORK THIS SHEET IS BY GENERAL CONTRACTOR

LEGEND

- CONCRETE FOUNDATION WALL PER AMS PLANS
- METAL GRATE FOR FOUNDATION VENT OR CRAWL SPACE ACCESS SEE AMS DRAWINGS. VERIFY PATH OF TRAVEL REQUIREMENTS WHERE OCCUR ON SITE PLAN
- CONCRETE CURB OR SITE WALL



DS TO STORM DRAIN | 1" = 1'-0" | 2

NORTH

0' 2' 4' 8' 16'
SCALE: 1/4" = 1'-0"

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
CAMARILLO, CALIFORNIA 93010
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PROJECT TITLE AND SCHOOL LOCATION

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VENTURA COMMUNITY COLLEGE
4667 TELEGRAPH RD.
VENTURA, CA 93003

COMMISSIONED ARCHITECT

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

CONSULTANT

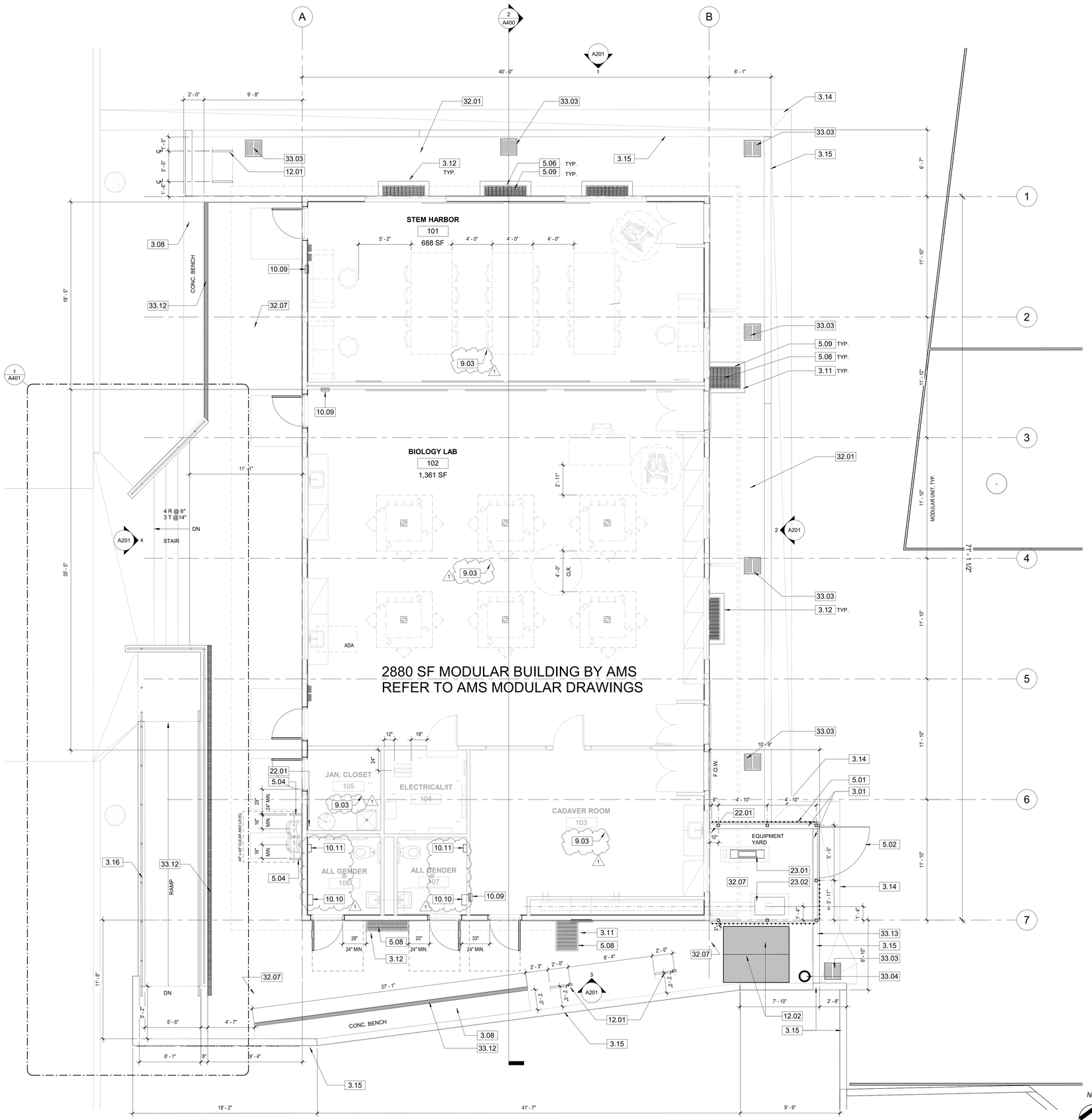
STAMPS/SEALS

1 05/15/25 ADDENDUM 001

SHEET TITLE:

COORDINATION FOUNDATION / UTILITY PLAN

PROJECT NO: 22-VCCCD-08	PROJECT ARCH: WJA
DRAWN: FBG	CHECKED: WJA
SHEET NUMBER: A103	
DATE: 9/3/24	SHEET: ___ OF ___



KEYNOTES

3.01	6" CONCRETE CURB
3.08	CONCRETE BENCH SEE DETAIL 7/A501
3.11	CRAWL SPACE ACCESS OPENING, WELL WALLS AND GRATE PER AMS MODULAR PC DETAIL 1/S1.5M - LOCATION MAY VARY
3.12	CRAWLS SPACE VENTILATION WELL WALLS AND GRATE PER AMS MODULAR PC DETAIL 2/S1.4M
3.14	CONCRETE V-DRAIN PER CIVIL SHEET C3.0, SEE DETAIL 14/C5.1
3.15	8" CONCRETE LANDSCAPE WALL SEE 31/S012
3.16	6" H U.O.N. CONCRETE CURB WITH RAILING SEE DETAIL 33/S012
5.01	6' HIGH STEEL PICKET FENCE, SEE DETAIL 1/A502
5.02	6' HIGH STEEL PICKET GATE, SEE DETAIL 4/A502
5.04	GUARD AT WATER FOUNTAIN PER DETAIL 14/A501
5.06	METAL GRATE, FRAME AND HARDWARE PER AMS PLANS; CONTRACTOR TO PURCHASE FROM AMS MODULAR AND INSTALL PER AMS MODULAR PC PLAN DETAILS;
5.08	WALLS AND GRATES FLUSH TO GRADE WITH ADA COMPLIANT GRATES
5.09	WALLS AND GRATES SEE CIVIL C3.0 FOR TOC AT FS
9.03	PROVIDE WAXING AND SEALING OF MARMOLEUM COMPOSITE TILE
10.09	SEMI-RECESSED FIRE EXTINGUISHER CABINET - SEE DETAIL 10/A502 PROVIDED AND INSTALLED BY AMS.
10.10	PAPER TOWEL DISPENSER, MOUNTED WITH DISPENSER LOCATION MOUNT OPENING 40" ABOVE FINISH FLOOR.
10.11	SURFACE MOUNTED SANITARY DISPOSAL, MOUNT 12" MAX ABOVE FINISH FLOOR.
12.01	CYCLESAFE U/2 BIKE RACK INSTALLED IN-GROUND - REFER TO 2/A502
12.02	CYCLESAFE STANDARD MODEL SM-SO7 BIKE LOCKERS (2), MOUNT AND LEVEL PER MANUFACTURER - REFER TO 3/A502
22.01	VANDAL RESISTANT HOSE BIBB
23.01	MINI SPLIT FAN UNIT PER AMS, MOUNT PER AMS PLANS 2/M1.1A AND 20C/S9.1.
23.02	FUME JET EXHAUST FAN ON CONC SLAB PER MECH M101, STRUCT 26/S012
32.01	3" LAYER OF GRAVEL OVER FILTER FABRIC
32.07	CONCRETE PAVING PER CIVIL C3.0, DETAIL 2/C5.0, 13&14/S011 SLOPE TO DRAIN AWAY FROM BUILDING
33.03	CATCH BASIN PER CIVIL SHEET C3.0 DETAIL 6/C5.0; CONNECT TO STORM DRAIN PER CIVIL SHEET C4.0
33.04	AREA DRAIN, SEE CIVIL C3.0 AND DETAIL 9/C5.0
33.12	TRENCH DRAIN, REFER TO CIVIL C3.0, DETAIL 12/C5.1; CONNECT TO STORM DRAIN PER CIVIL C4.0
33.13	AREA DRAIN PER CIVIL DETAIL 9/C5.0

GENERAL NOTES

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3. ALL WORK THIS SHEET IS BY GENERAL CONTRACTOR DESCRIBED IN KEY NOTES.

LEGEND

- PARTITION - SEE MODULAR CO. DRAWINGS
- CONCRETE FOUNDATION WALL PER AMS PLANS
- METAL GRATE FOR FOUNDATION VENT OR CRAWL SPACE ACCESS SEE AMS DRAWINGS. VERIFY PATH OF TRAVEL REQUIREMENTS WHERE OCCUR ON SITE PLAN
- REQUIRED LEVEL, CLEAR MANEUVERING SPACE AT DOORWAYS PER ADA/CBC
- CONCRETE CURB OR SITE WALL
- 6' HIGH STEEL PICKET FENCE, SEE DETAIL 1/A502
  6' HIGH 4' WIDE STEEL PICKET GATE , SEE DETAIL 4/A502
- LINEAR TRENCH DRAIN, SEE CIVIL
- FURNITURE NIC
- FURNITURE NIC
- FURNITURE NIC
- CASEWORK PROVIDE TALL CABINET IN AMS DRAWING A1.0

0' 2' 4' 8' 16'
SCALE: 1/4" = 1'-0"

FLOOR PLAN | 1/4" = 1'-0" | 1

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CONSULTANT

STAMPS/SEALS

1 05/15/25 ADDENDUM 001

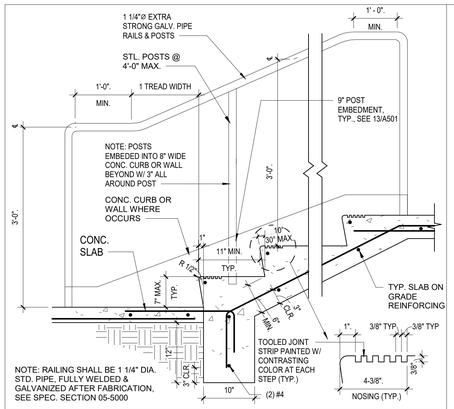
SHEET TITLE:

FLOOR PLAN

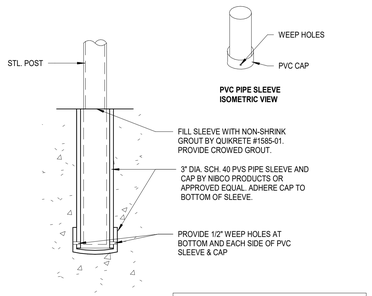
PROJECT NO: 22-VCCCD-08 | PROJECT ARCH: WJA
DRAWN: FBG | CHECKED: WJA
SHEET NUMBER:

A111

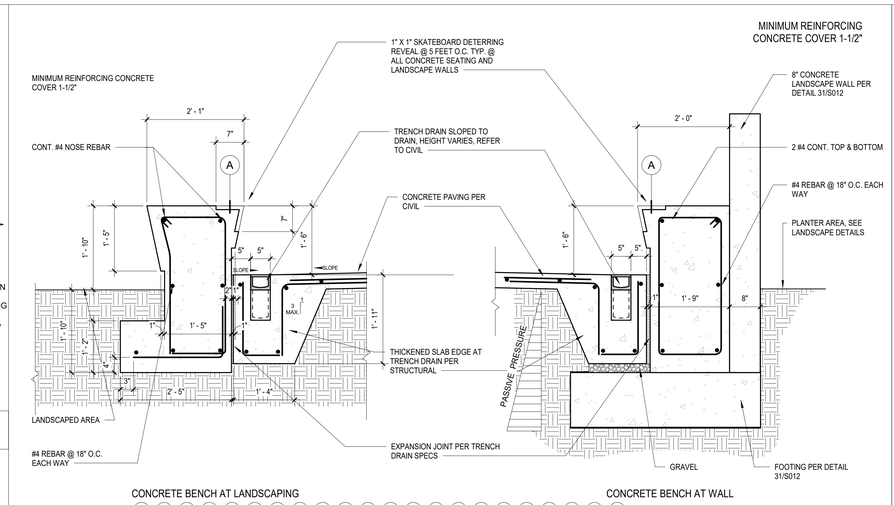
DATE: 9/3/24 | SHEET: ___ OF ___



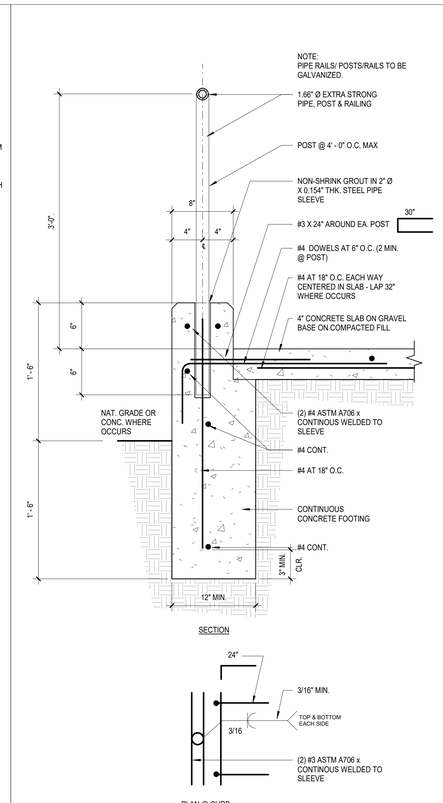
TYP. EXTERIOR STAIR SECTION | 1" = 1'-0" | 12



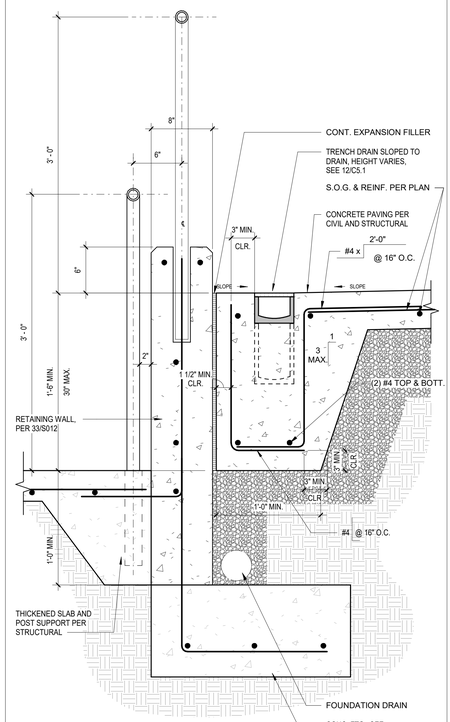
TYP. POST EMBED | 3" = 1'-0" | 13



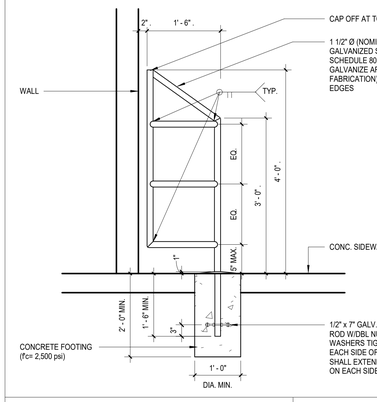
CONCRETE BENCH | 3/4" = 1'-0" | 7



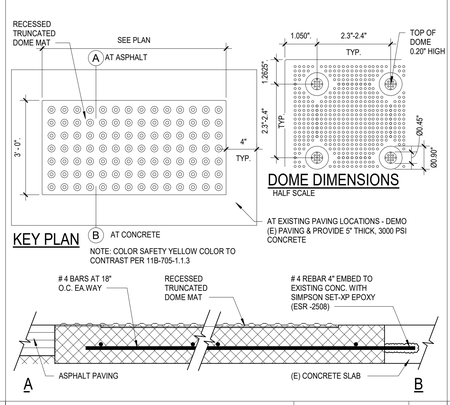
TYPICAL HANDRAIL AT CURB | 1 1/2" = 1'-0" | 4



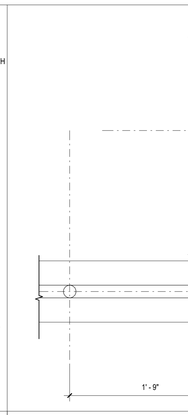
RAILING WALL AT LEVEL CHANGE | 1 1/2" = 1'-0" | 1



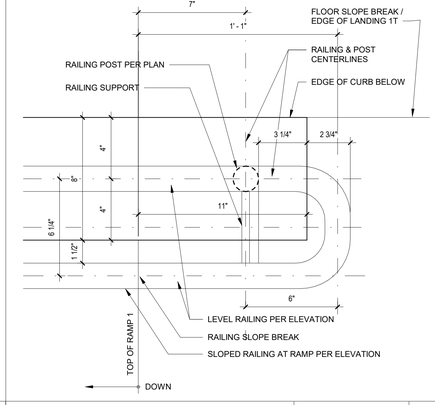
DRINKING FOUNTAIN WING GUARD | 3/4" = 1'-0" | 14



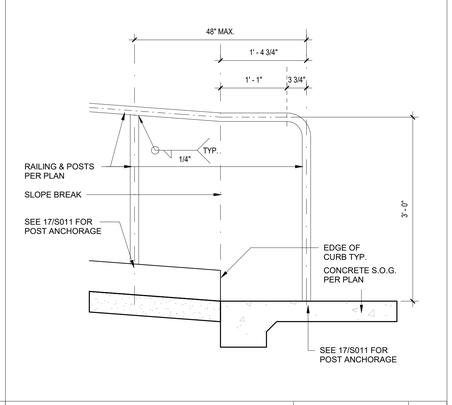
TACTILE WARNING SURFACE MAT | 1 1/2" = 1'-0" | 10



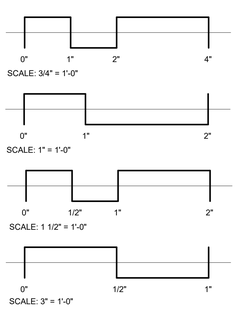
RAILING CORNER AT RAMP | 1 1/2" = 1'-0" | 8

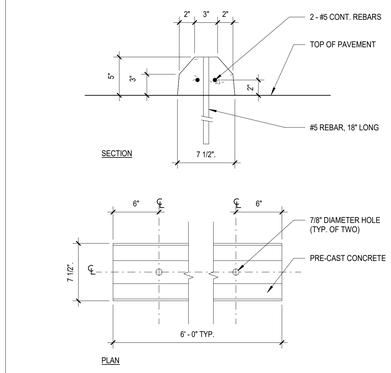


RAILING TRANSITION AT RAMP 1 | 3" = 1'-0" | 5

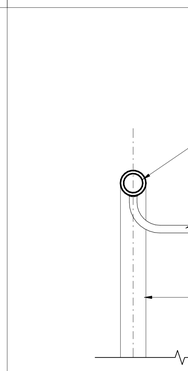


HANDRAIL DETAIL | 1" = 1'-0" | 2

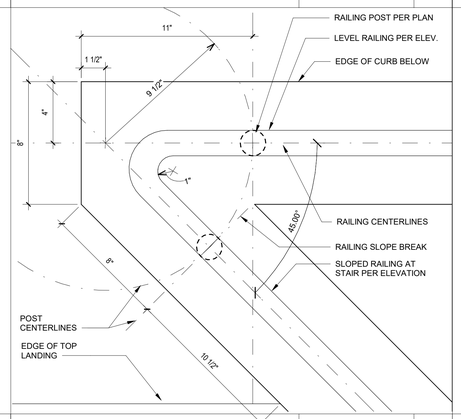




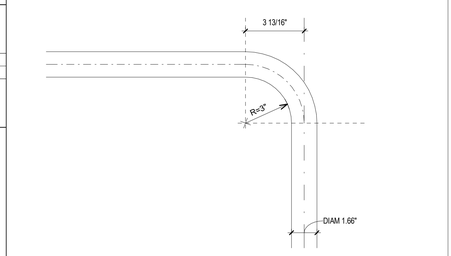
CONCRETE WHEEL STOP | 1 1/2" = 1'-0" | 11



RAIL SUPPORT AT OFFSET POST | 3" = 1'-0" | 9



RAILING TRANSITION AT STAIR 1 | 3" = 1'-0" | 6



RAILING AT END POST | 3" = 1'-0" | 3

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VENTURA COMMUNITY COLLEGE
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CONSULTANT

STAMPS/SEALS

1 05/15/25 ADDENDUM 001

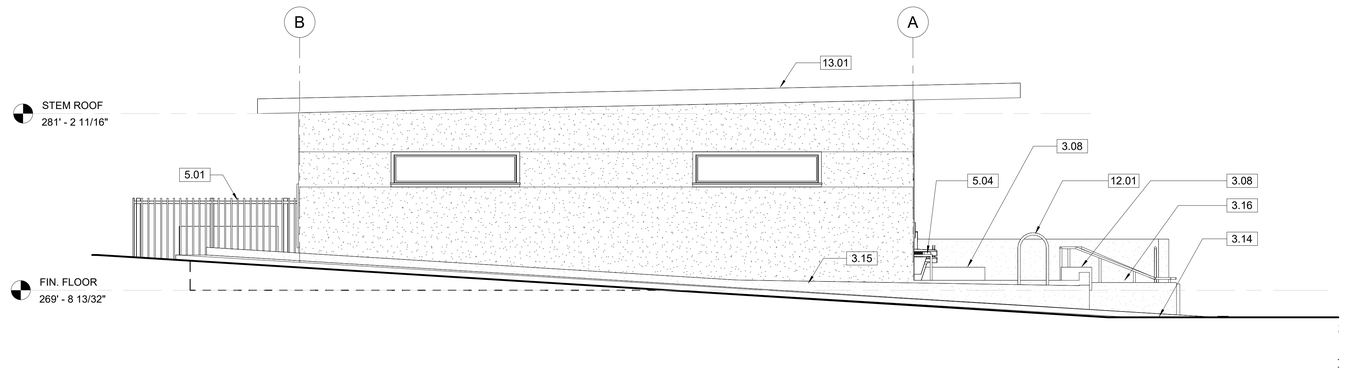
SHEET TITLE:

SITE DETAILS

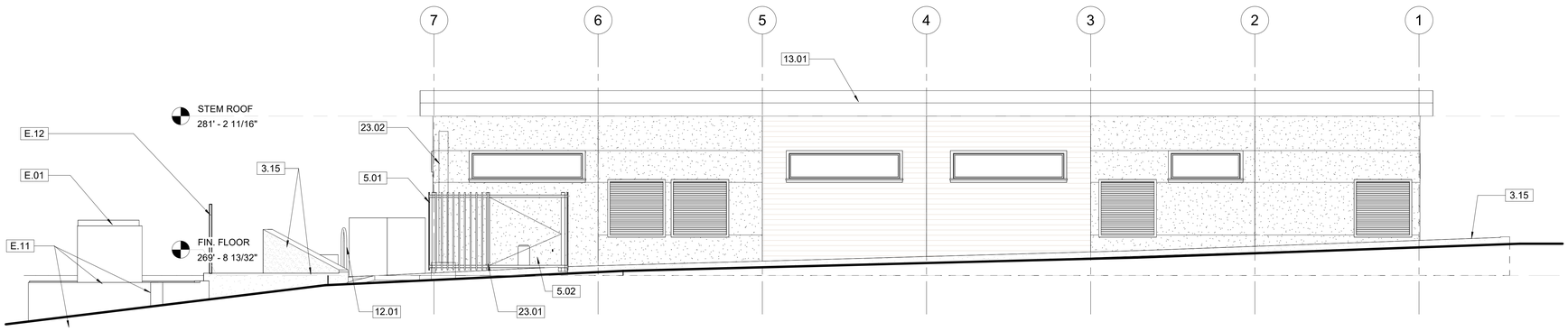
PROJECT NO: 22-VCCCD-08 | PROJECT ARCH: Designer
DRAWN: Author | CHECKED: Checker
SHEET NUMBER:

A501

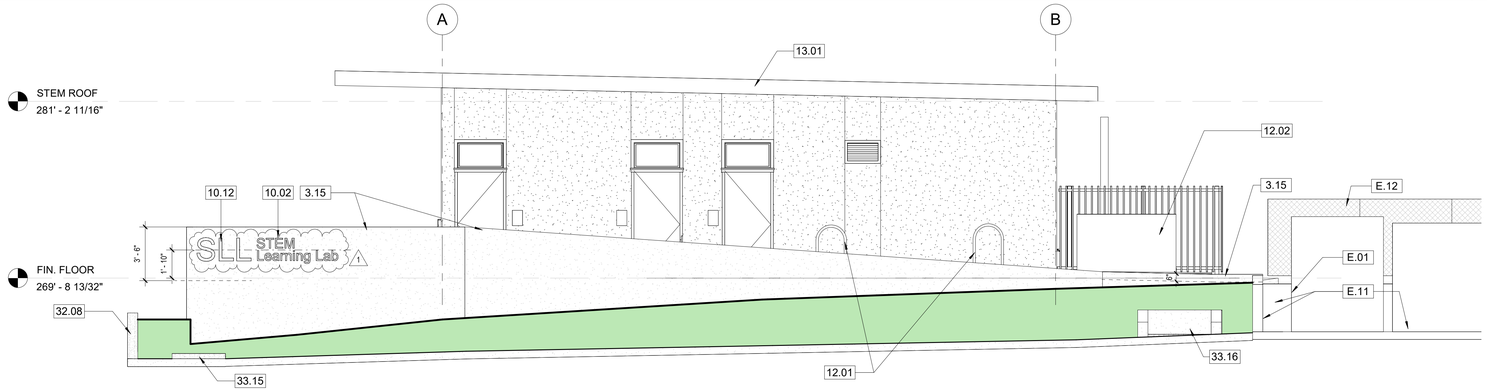
DATE: 9/3/24 | SHEET: ____ OF ____



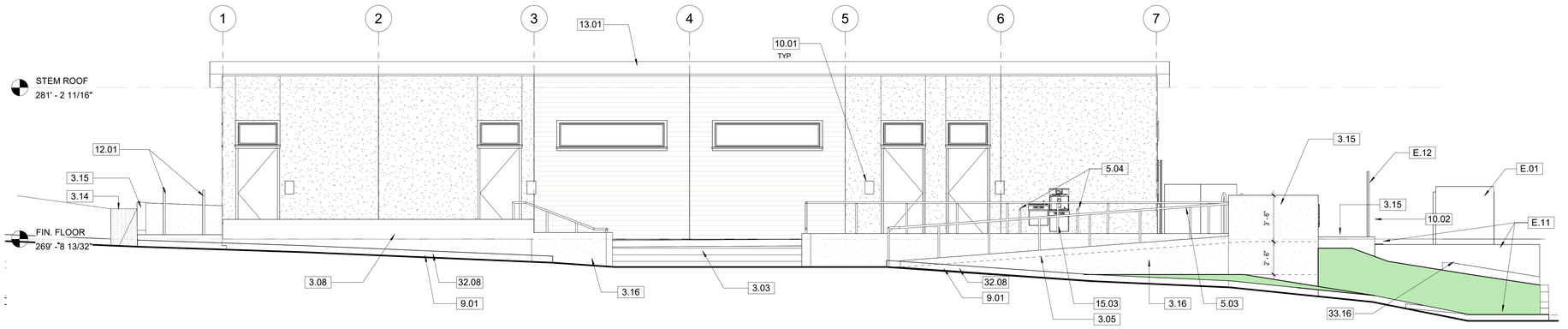
NORTH ELEVATION SITE | 1/4" = 1'-0" | 1



EAST ELEVATION SITE | 1/4" = 1'-0" | 2



SOUTH ELEVATION SITE | 1/4" = 1'-0" | 3



WEST ELEVATION SITE | 1/4" = 1'-0" | 4

KEYNOTES

3.03	CONCRETE STAIR ON GRADE SEE 23/S011
3.05	CONCRETE RAMP ON GRADE SEE 18/S011, 33/S012
3.08	CONCRETE BENCH SEE DETAIL 7/A501
3.14	CONCRETE V-DRAIN PER CIVIL SHEET C3.0, SEE DETAIL 14/C5.1
3.15	8" CONCRETE LANDSCAPE WALL SEE 31/S012
3.16	6" H U.O.N. CONCRETE CURB WITH RAILING SEE DETAIL 33/S012
5.01	6' HIGH STEEL PICKET FENCE, SEE DETAIL 1/A502
5.02	6' HIGH STEEL PICKET GATE, SEE DETAIL 4/A502
5.03	1.66" DIAMETER HIGH STRENGTH GALVANIZED STEEL RAILING, TYPICAL, SEE 16&17/S011 AND A501
5.04	GUARD AT WATER FOUNTAIN PER DETAIL 14/A501
9.01	FIRE LANE; PAINT CURBS BOTH SIDES RED AND STENCIL WITH "NO PARKING FIRE LANE" PER CODE
10.01	SIGNAGE SEE SHEET A801
10.02	BUILDING SIGN, 8" H X 1" ALUMINUM LETTERS, SEE DETAIL 5/A801
10.12	BUILDING SIGN, 18" H X 1" ALUMINUM LETTERS, SEE DETAIL 5/A801
12.01	CYCLESAFE U/2 BIKE RACK INSTALLED IN-GROUND - REFER TO 2/A502
12.02	CYCLESAFE STANDARD MODEL SM-SO7 BIKE LOCKERS (2), MOUNT AND LEVEL PER MANUFACTURER - REFER TO 3/A502
13.01	MODULAR BUILDING PER AMS MODULAR PLANS
15.03	ADA COMPLIANT DRINKING FOUNTAIN BY AMS MODULAR
23.01	MINI SPLIT FAN UNIT PER AMS, MOUNT PER AMS PLANS 2/M1.1A AND 20C/S9.1.
23.02	FUME JET EXHAUST FAN ON CONC SLAB PER MECH M101, STRUCT 26/S012
32.08	CONCRETE CURB PER CIVIL SHEET C3.0 DETAIL 11/C5.0 OR 15/C5.1
33.15	BACKFLOW DEVICE PER CIVIL SHEET C4.1, DETAIL 13/C5.1
33.16	PARKWAY DRAIN PER CIVIL SHEET C4.0, DETAIL 16/C5.1
E.01	(E) TRANSFORMERS
E.11	(E) RETAINING WALLS AND SLAB
E.12	(E) CHAIN LINK FENCE TO REMAIN

GENERAL NOTES

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3. ALL WORK THIS SHEET IS BY GENERAL CONTRACTOR DESCRIBED IN KEY NOTES.

LEGEND

HYBRID STUCCO

HARDIE SIDING

0' 2' 4' 8' 16'
SCALE: 1/4" = 1'-0"

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CONSULTANT

STAMPS/SEALS

1 05/15/25 ADDENDUM 001

SHEET TITLE:

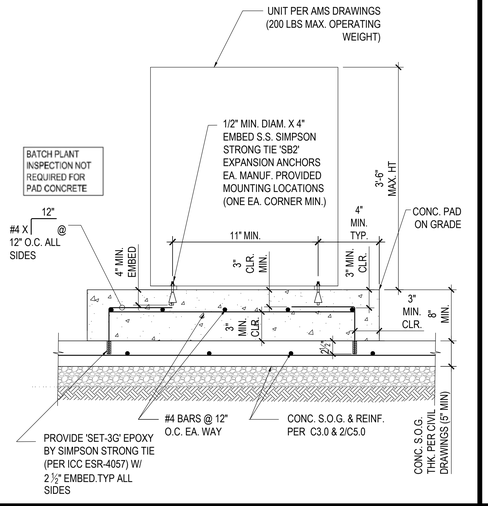
SITE EXTERIOR ELEVATIONS

PROJECT NO:	22-VCCCD-08	PROJECT ARCH:	Designer
DRAWN:	FBG	CHECKED:	Checker

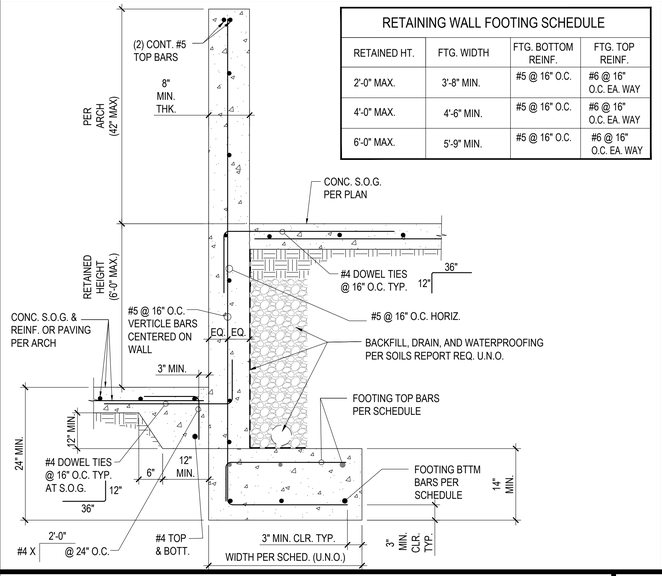
SHEET NUMBER:

A202

DATE: 9/3/24 SHEET: ___ OF ___

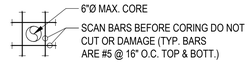


CONCRETE PAD AND UNIT ANCHORAGE NTS 34



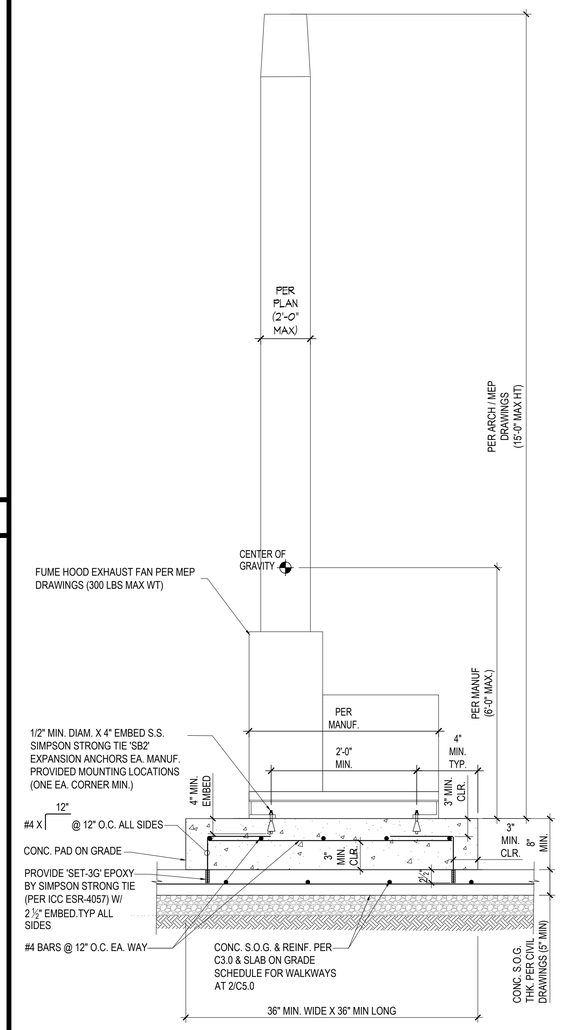
RETAINING WALL FOOTING SCHEDULE			
RETAINED HT.	FTG. WIDTH	FTG. BOTTOM REINF.	FTG. TOP REINF.
2'-0" MAX.	3'-8" MIN.	#5 @ 16" O.C.	#6 @ 16" O.C. EA. WAY
4'-0" MAX.	4'-6" MIN.	#5 @ 16" O.C.	#6 @ 16" O.C. EA. WAY
6'-0" MAX.	5'-9" MIN.	#5 @ 16" O.C.	#6 @ 16" O.C. EA. WAY

RETAINING WALL WITH FREESTANDING WALL ABV. NTS 31



PLAN VIEW

TYP CONC SLAB ON GRADE CORE NTS 28



SIDE ELEVATION

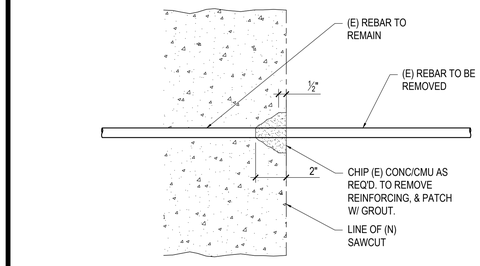
FUME HOOD EXHAUST FAN ANCHORAGE DETAIL SCALE: 1"=1'-0" 26

NTS 35

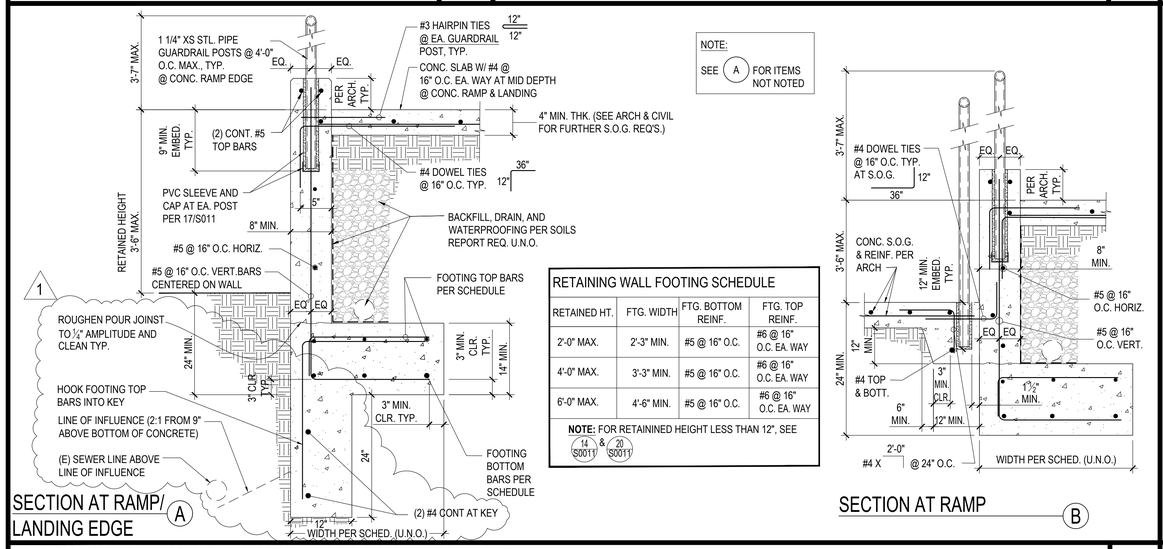
RETAINING WALL FOOTING SCHEDULE			
RETAINED HT.	FTG. WIDTH	FTG. BOTTOM REINF.	FTG. TOP REINF.
2'-0" MAX.	2'-0" MIN.	#5 @ 16" O.C.	#6 @ 16" O.C. EA. WAY
4'-0" MAX.	3'-0" MIN.	#5 @ 16" O.C.	#6 @ 16" O.C. EA. WAY
6'-0" MAX.	4'-0" MIN.	#5 @ 16" O.C.	#6 @ 16" O.C. EA. WAY

NOTE: FOR RETAINED HEIGHT LESS THAN 12", SEE (14 S0011) & (20 S0011)

TYPICAL SITE RETAINING WALL SCALE: 1"=1'-0" 32



TYP. BAR TERMINATION SCALE: 1"=1'-0" 29



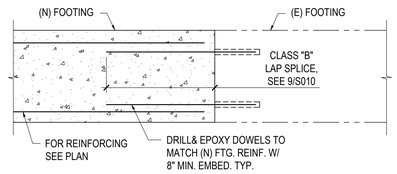
NOTE:
SEE (A) FOR ITEMS NOT NOTED

RETAINING WALL FOOTING SCHEDULE			
RETAINED HT.	FTG. WIDTH	FTG. BOTTOM REINF.	FTG. TOP REINF.
2'-0" MAX.	2'-3" MIN.	#5 @ 16" O.C.	#6 @ 16" O.C. EA. WAY
4'-0" MAX.	3'-3" MIN.	#5 @ 16" O.C.	#6 @ 16" O.C. EA. WAY
6'-0" MAX.	4'-6" MIN.	#5 @ 16" O.C.	#6 @ 16" O.C. EA. WAY

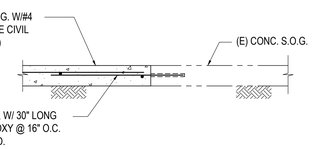
NOTE: FOR RETAINED HEIGHT LESS THAN 12", SEE (14 S0011) & (20 S0011)

SECTION AT RAMP B

TYPICAL SECTION AT CONCRETE RAMP & LANDING ON GRADE SCALE: 1"=1'-0" 33



TYP. (N) FTG. TO (E) FTG. SCALE: 1"=1'-0" 30



TYP. (N) S.O.G. TO (E) S.O.G. SCALE: 1"=1'-0" 27

DIVISION OF THE STATE ARCHITECT

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

PROJECT TITLE AND SCHOOL LOCATION

VENTURA COMMUNITY COLLEGE STEM MODULAR BUILDING
VENTURA COMMUNITY COLLEGE
4667 TELEGRAPH RD.
VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADOR

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

CONSULTANT

Orion Structural

ORION STRUCTURAL GROUP, INC.
223 East Thousand Oaks Boulevard, Suite 304
Thousand Oaks, CA 91360
Phone# (805)750-8136 Fax# (805)494-0418

OSG# 22604.010

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER
WILL A. LAMBERT
No. 5430
Exp. 06/30/2026
STRUCTURAL
STATE OF CALIFORNIA

5/14/2025

ADDENDUM-1 5/15/2025

SHEET TITLE:

TYPICAL DETAILS

PROJECT NO: 22-VCCCD-08	PROJECT ARCH: BA
DRAWN: MG	CHECKED: EN

SHEET NUMBER:

S012

DATE: 3/6/25 SHEET: — OF —

MECHANICAL NOTES

1. SCOPE OF WORK: WORK INCLUDES THE FOLLOWING: FURNISH AND INSTALL ALL EQUIPMENT AND CONTROLS SHOWN ON THE ARCHITECTURAL, MECHANICAL, PLUMBING, STRUCTURAL, AND ELECTRICAL DRAWINGS AND DESCRIBED IN THESE NOTES, AND THE CONTRACT DOCUMENTS. WORK INCLUDES BUT IS NOT LIMITED TO: INSTALL NEW EXHAUST FAN; AND STARTUP AND COMMISSIONING OF NEW COMPLETE MECHANICAL AND CONTROL SYSTEMS AS DESCRIBED IN THE CONTRACT DOCUMENTS. INCLUDED ARE ALL DEVICES NEEDED TO MAKE COMPLETE AND FUNCTIONAL SPACE CONDITIONING SYSTEMS AND CONTROLS. CONTRACTOR SHALL FURNISH AND INSTALL, MAKE OPERABLE, AND TEST ALL SYSTEMS AND MECHANICAL EQUIPMENT SHOWN ON THE PLANS AND DESCRIBED IN THE SPECIFICATIONS AND CONTRACT DOCUMENTS. IN CONNECTION THEREWITH, CONTRACTOR SHALL ALSO FURNISH AND INSTALL ALL NECESSARY DEVICES, HARDWARE, AND SYSTEMS REQUIRED TO MAKE SAID EQUIPMENT PROPERLY AND SAFELY OPERABLE, INCLUDING BUT NOT LIMITED TO, MOUNTING HARDWARE, INSULATION, FILTERS, DUCT SYSTEMS, AND CONTROL SYSTEMS.

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.

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.

5. CODES AND STANDARDS: ALL WORK SHALL COMPLY WITH ALL APPLICABLE REQUIREMENTS OF THE OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA), 2022 CALIFORNIA BUILDING CODE, THE 2022 CALIFORNIA MECHANICAL CODE, THE 2022 CALIFORNIA PLUMBING CODE, THE 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE, 2022 CALIFORNIA ELECTRIC CODE, THE STATE OF CALIFORNIA, EQUIPMENT MANUFACTURER'S RECOMMENDED PROCEDURES, AND STANDARD CONSTRUCTION PRACTICES. NOTE: ALL MECHANICAL EQUIPMENT SHALL BE IN STRICT ACCORDANCE WITH THE EQUIPMENT SCHEDULE, AND SHALL BE NEW AND FREE FROM DEFECTS. CONTRACTOR SHALL OBTAIN APPROVED INSPECTIONS FOR ALL WORK AS REQUIRED BY OWNER 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.

NOTE: WHERE TWO OR MORE CODES CONFLICT, THE MOST RESTRICTIVE SHALL APPLY. NOTHING IN THESE PLANS AND SPECIFICATIONS SHALL BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO APPLICABLE CODES.

6. 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.

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

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

9. BALANCING: FOLLOWING INSTALLATION, CONTRACTOR SHALL START UP AND BALANCE ALL HVAC SYSTEMS TO CONFORM TO AIR VOLUMES INDICATED ON PLANS. COPIES OF BALANCING RECORDS SHALL BE FURNISHED TO BUILDING OWNER AND PROJECT ENGINEER.

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

11. COORDINATION: MECHANICAL CONTRACTOR SHALL COORDINATE WORK WITH THE DISTRICT'S PROJECT MANAGER AND ALL RELATED TRADES. SYSTEM DOWNTOWN SHALL BE MINIMIZED.

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

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

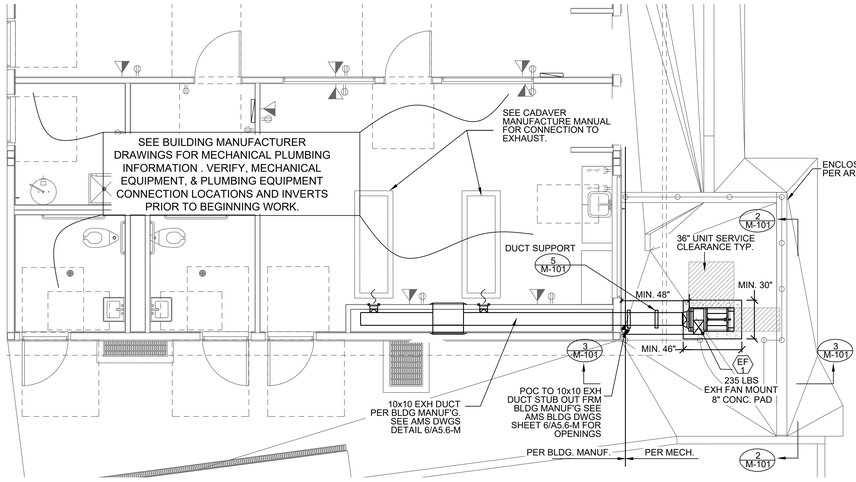
15. AS-BUILT DRAWINGS SHALL BE GIVEN TO THE OWNER PRIOR TO ACCEPTANCE OF THE PROJECT. INCLUDED IN THE AS-BUILTS SHALL BE DOCUMENTATION AND TWO COPIES OF THE ANNOTATED PROGRAMMING ON MAGNETIC MEDIA AND PRINTED SHEETS.

16. FUNCTIONAL PERFORMANCE TESTING. CONTRACTOR SHALL CONFIRM THAT NEW SYSTEMS HAVE BEEN INSTALLED, PROPERLY STARTED, AND FUNCTIONING PROPERLY. CONTRACTOR SHALL PROVIDE CONTROL TECHNICIAN FOR 3 HOURS OF FUNCTIONAL TESTING WITH ENGINEER PRESENT. CONTROL TECHNICIAN SHALL MANIPULATE CONTROL PARAMETERS TO VERIFY THE OPERATION OF THE SYSTEMS.

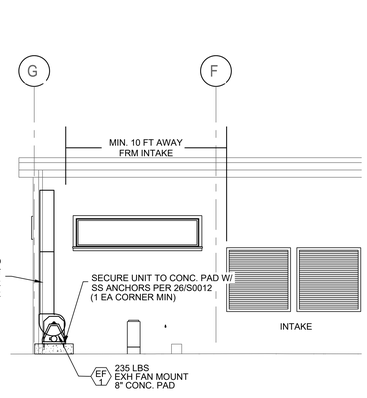
16. Provide new Automated Logic Optiflex Bacnet Integrator with network cabling to/from the four Distech controllers at the wall mounted HVAC units. Install patch cable from ALC integrator to network at Electric/IT Room (104). Provide all needed programming, integration, and graphics to add these units to the campus-wide Automated Logic Network. ⚠1

EQUIPMENT SCHEDULE

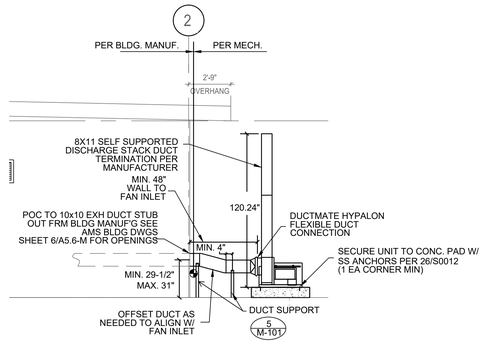
EF-1 — EXHAUST FAN. GREENHECK MODEL FJI-10-BI. UPBLAST WITH DISCHARGE STACK 640 CFM @ 1.5" W.C.
ELECTRICAL 208/60/1, FLA 4 AMPS, 1/3 HP
OPERATING WT: 235 LBS



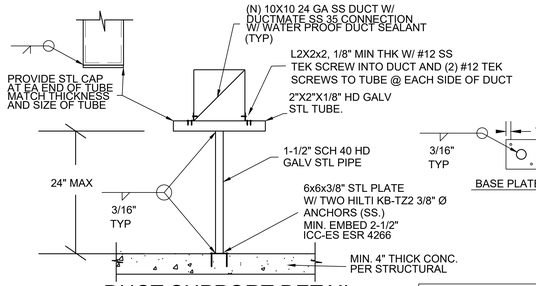
1 MECHANICAL FLOOR PLAN
SCALE: 1/4"=1'-0"



2 MECHANICAL SECTION
SCALE: NO SCALE



3 MECHANICAL SECTION
SCALE: NO SCALE



5 DUCT SUPPORT DETAIL
SCALE: NO SCALE

ABBREVIATIONS

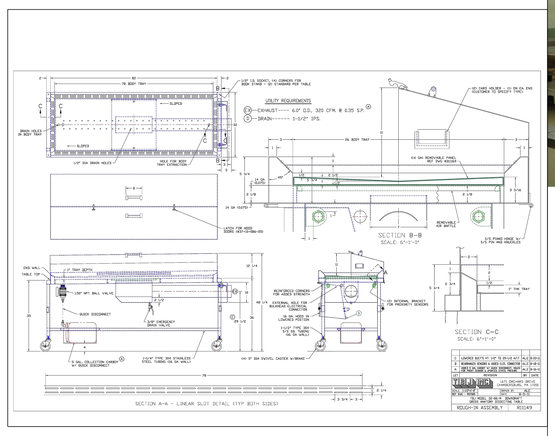
ABBRV	ABBREVIATIONS
ABV	ABOVE
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
APPROX	APPROXIMATELY
BLDG	BUILDING
BLW	BELOW
BOT	BOTTOM
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CL	CENTERLINE
CLG	CEILING
COND	CONDENSATE
CONT	CONTINUED
DIA	DIAMETER
DN	DOWN
DWG	DRAWING
(E)	EXISTING
EA	EACH
EL	ELEVATION
ELEC	ELECTRIC
ELEV	ELEVATION
EQ	EQUIPMENT
EQUIP	EQUIPMENT
EXH	EXHAUST
FIN	FINISHED
FRM	FROM
FLR	FLOOR
G	GAS
GPM	GALLONS PER MINUTE
MAX	MAXIMUM
MIN	MINIMUM
(N)	NEW
OC	ON CENTER
POC	POINT OF CONNECTION
PSI	POUNDS PER SQUARE INCH
RAG	RETURN AIR GRILLE
RAR	RETURN AIR REGISTER
SD	SMOKE DETECTOR
SHT	SHEET
SOV	SHUT-OFF VALVE
SPEC	SPECIFICATIONS
SR	SIDEWALL REGISTER
SS	STAINLESS STEEL
(TYP)	TYPICAL
UGND	UNDERGROUND
VTR	VENT TO ROOF
WCO	WALL CLEAN-OUT

SYMBOL LEGEND

SEE MECH. SCHEDULE FOR DESCRIPTIONS

X	EQUIPMENT TAG SEE MECH. SCHEDULE
1 / MX.X	DETAIL TAG
POC	POINT OF CONNECTION

SHEET INDEX



CADAVER TABLE PROVIDED BY THE DISTRICT

4 CADAVER TABLE CUT SHEETS
SCALE: NO SCALE

MEP COMPONENT ANCHORAGE NOTE

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

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 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8; AND 2022 CBC, SECTION 1617A.1.24, 1617A.1.25 AND 1617A.1.26.

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

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

MP ☐ MD ☒ PP ☐ E ☐ - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.
MP ☐ MD ☐ PP ☐ E ☐ - OPTION 2: SHALL COMPLY WITH HCAi (OSHPD) PRE-APPROVAL (OPM #) #_____, IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.

DIVISION OF THE STATE ARCHITECT

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 03-124589 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 04/15/2025

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY
CAMARILLO, CALIFORNIA
9301 TEL: (805) 652-5500

PROJECT TITLE AND SCHOOL LOCATION

VENTURA COMMUNITY COLLEGE STEM MODULAR BUILDING
VENTURA COMMUNITY COLLEGE
4667 TELEGRAPH RD.
VENTURA, CA 93003

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 Exp. 6/30/2026 MECHANICAL STATE OF CALIFORNIA

LICENSED ARCHITECT WILLIAM JORGE AMADOR C-20348 JANUARY 31, 2027 RENEWAL DATE STATE OF CALIFORNIA

△ addendum 01: 05/15/2025
△ DSA V3 SUBMITTAL 03/21/2025

SHEET TITLE:

MECHANICAL NOTES, SCHEDULE, PLAN & DETAILS

PROJECT NO.: 22-VCCCD-08 | PROJECT ARCH: BA
DRAWN: JS | CHECKED: HM/PW
SHEET NUMBER:

M101

DATE: 12/16/2024 | SHEET: ___ OF ___

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 2022 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. PROVIDE HINGED PANEL COVERS.

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
1. CONTRACTOR SHALL PROVIDE AND INSTALL A FIRE ALARM SYSTEM FOR THE PROJECT AREA TO INCLUDE:

A) SMOKE DETECTORS IN ALL REQUIRED AREAS
B) HEAT DETECTORS IN ALL REQUIRED AREAS
C) DUCT DETECTORS IN ALL REQUIRED SPACES
D) STROBES/SPEAKERS IN ALL REQUIRED AREAS
E) PULL STATIONS AT ALL REQUIRED LEGAL FIRE EXITS

2. CONTRACTOR SHALL SUBMIT FOR THE OWNERS SIGNED APPROVAL, APPROVED FIRE DEPARTMENT FIRE ALARM DRAWINGS FOR THE PROJECT SPACE.
3. CONTRACTOR SHALL BE BUILDING STANDARD.
4. ALL DEVICES AND EQUIPMENT SHALL BE CALIFORNIA STATE FIRE MARSHALL APPROVED AND CURRENTLY LISTED.
5. CONTRACTOR SHALL WARRANTY ALL DEVICES AND SYSTEMS FOR A PERIOD OF TWO YEARS.
6. CONTRACTOR SHALL PROVIDE 6 (SIX) HARD COPY SETS OF FIRE ALARM MANUALS FOR ALL SYSTEMS AND DEVICES IN ADDITION TO 6 (SIX) HARD COPY SETS OF A SYSTEM OPERATIONAL MANUAL TAILORED FOR THE PROJECT SPACE.
7. CONTRACTOR SHALL PROVIDE AN INDIVIDUALLY ADDRESSABLE TOTALLY SUPERVISED SYSTEM WITH BATTERY BACK-UP FOR 24 HOURS OF MONITORING INITIATING CIRCUITS PLUS 30 MINUTES OF ALARM WITH DUAL RATE BATTERY CHARGER.
8. CONTRACTOR SHALL PROVIDE A SATISFACTORY SYSTEM TEST IN THE PRESENCE OF THE OWNER, FIRE PREVENTION BUREAU AND CONSULTING ENGINEER.
9. CONTRACTOR SHALL PROVIDE A CENTRAL MASTER ANNUNCIATOR PANEL IN THE ELECTRICAL ROOM AND A REMOTE PANEL IN AN AREA PER OWNERS REPRESENTATIVE AND LOCAL FIRE MARSHAL.
10. ANNUNCIATOR PANEL SHALL BE NONGRAPHIC WITH NAMEPLATE AND LED FOR EACH DEVICE ADDRESS, WITH AUDIBLE ALARM AND KEYED SILENCE SWITCH.
11. CONTRACTOR SHALL PROVIDE ALL CONNECTION TO POWER PANELS, CONDUIT AND WIRE AND CONNECTIONS REQUIRED TO PROVIDE AN OPERATIONAL FIRE ALARM SYSTEM.
12. UNIQUELY LABEL ALL ADDRESSABLE DEVICES TO MATCH FIRE ALARM PROGRAMMING & AS BUILTS

SYMBOLS

DUPLEX RECEPTACLE, WALL MOUNTED @ +18" AFF TO BOTTOM OF DEVICE, NEMA 5-20R U.O.N.

(2)DATA OUTLETS, 2 GANG 4SD BOX WITH DEVICES AND 4 CAT 6 CABLES FROM JACK TO IDF. PROVIDE 1-1/4"C MINIMUM TO CABLE TRAY OR IDF IF NO CABLE TRAY IS PRESENT.

SPECIAL OUTLET, TYPE AS REQUIRED BY EQUIPMENT.

J — JUNCTION BOX (CEILING MTD.) SIZE PER TABLE AND NEC ARTICLE 314

J — JUNCTION BOX (WALL MTD.) SIZE PER TABLE AND NEC ARTICLE 314

T — THERMOSTAT - 36" TO 48" AFF, BOTTOM & TOP OF BOX RESPECTIVELY

T — TRANSFORMER

J — CLOCK SPEAKER BY ENS-IP-SDMF WITH IP SEA-SD MOUNT PROVIDED BY & INSTALLED BY CONTRACTOR WITH 3/4"C- (1) CAT 5 TO IDF

BRANCH CIRCUIT PANELBOARD - 240/120V, 1Ø, 3W OR 3Ø, 3W, 240VAC OR 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

— E — 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

J CAM — CCTV-VERIFY MOUNTING LOCATION AND REQUIREMENTS WITH CLIENT/OWNER.

FLOOR BLOCK OUT - FOAM ONLY

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.

ABBREVIATIONS

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

LIST OF DRAWINGS

SHEET #	SHEET DESCRIPTION	SHEET #	SHEET DESCRIPTION
E100	GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST	E500	FIRE ALARM NOTES & SCHEDULE
E101	CALIFORNIA GREEN CODE ELECTRICAL	E501	FIRE ALARM PLAN
E130	SITE LIGHTING PLAN EXISTING CONDITION	E502	FIRE ALARM DETAIL SHEET
E131	SITE LIGHTING PLAN NEW WORK	E503	FIRE ALARM DATA SHEETS
E132	STEM MODULAR EM PHOTOMETRIC PLAN & SITE PHOTOMETRIC PLAN	E504	FIRE ALARM DATA SHEETS
E133	LIGHTING FOR DROP OFF AREA	E506	FIRE ALARM RISER DIAGRAM, VOLTAGE DROP, AND BATTERY CALCULATION
E134	DROP OFF AREA LIGHTING NEW WORK AND PHOTOMETRIC PLAN	E507	FIRE ALARM DATA SHEETS
E140	SITE POWER & COM PLAN	E508	FIRE ALARM DATA SHEETS
E200	ELECTRICAL SINGLE LINE DIAGRAM - EXISTING WITH NEW WORK	E509	FIRE ALARM DATA SHEETS
E300	LIGHTING FIXTURE SCHEDULE & SCHEMATIC PLAN	E510	FIRE ALARM DATA SHEETS
E400	BUILDING POWER & COM PLAN	E601	ELECTRICAL DETAILS
E420	MECHANICAL POWER PLAN, NOTES AND SCHEDULE	E604	LIGHT POLE FOOTING DETAIL

1

SCOPE OF WORK

NEW SINGLE STORY CLASSROOM BUILDING WITH POWER, LIGHTING & COM.

LIST OF APPLICABLE CODES

LIST OF APPLICABLE CODES

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
2022 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
2022 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
2022 CALIFORNIA ENERGY CODE, PART 6, TITLE 24 CCR
2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
2022 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR
2022 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

APPLICABLE STANDARDS

FOR A LIST OF APPLICABLE STANDARDS, INCLUDING CALIFORNIA AMENDMENTS TO THE NFPA STANDARDS, REFER TO CBC CHAPTER 35 AND CFC CHAPTER 80.

MEP ANCHORAGE NOTES

APPLICABLE CODE: 2022 CBC

MEP COMPONENT ANCHORAGE NOTE

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

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

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

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

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

APPLICABLE CODE: 2022 CBC

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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

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

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

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

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

SITE/AREA MAP

DIVISION OF THE STATE ARCHITECT

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

PROJECT TITLE AND SCHOOL LOCATION

VENTURA COMMUNITY COLLEGE STEM MODULAR BUILDING
VENTURA COMMUNITY COLLEGE
4667 TELEGRAPH RD.
VENTURA, CA 93003

COMMISSIONED ARCHITECT

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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

STAMPS/SEALS

KENNETH W. LUCCI
No. E 8340
Exp. 09/30/2026

1 ADDENDUM 01, MAY 13, 2025

SHEET TITLE:

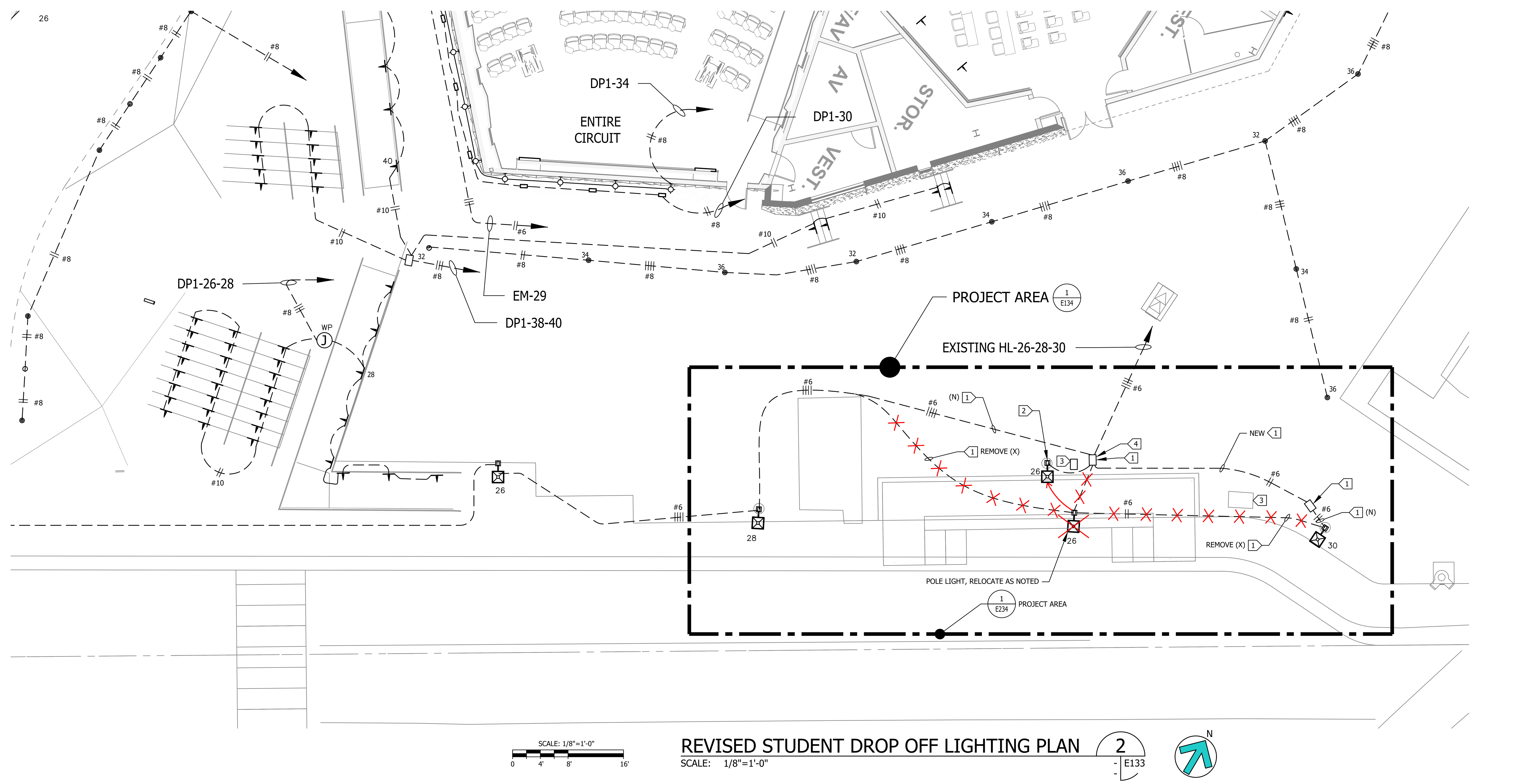
GENERAL NOTES, ABBREVIATIONS, SYMBOLS & DRAWING LIST

PROJECT NO.: 22-VCCCD-08
PROJECT ARCH: Designer
DRAWN: LK/DS/IT
CHECKED: KL
SHEET NUMBER: E100
DATE: 12/20/24
SHEET: ____ OF ____

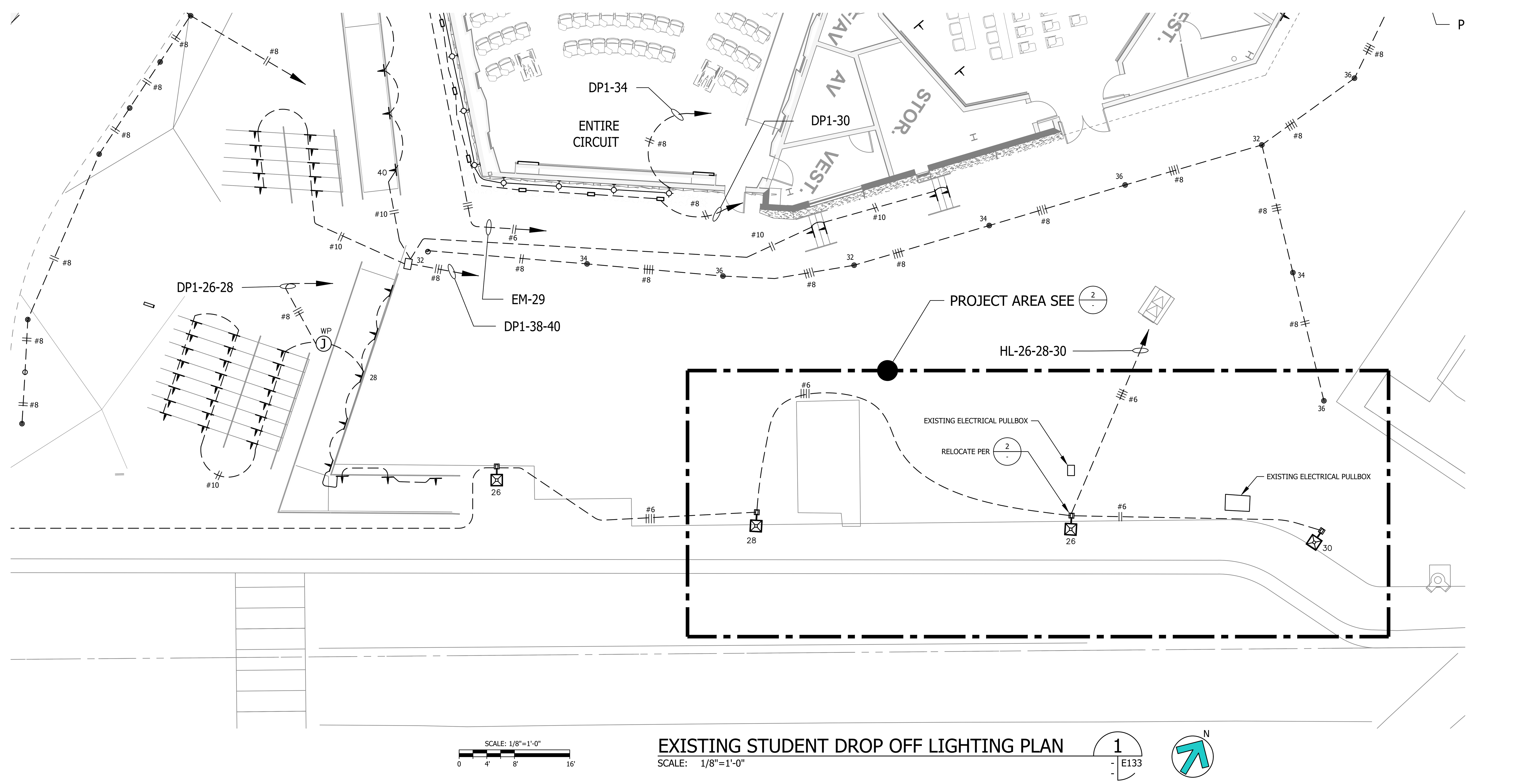
L.A.I.# 22-539 PAPER SIZE 42"x30"

DRAFTER: CM02 DRAWING FILENAME: 22-539E100 PATHNAME: G:\22\539\EL\Sheets DATE: 14 May 2025 TIME: 5:05 pm

DRAFTER: CM02 DRAWING FILENAME: 22-539E133 PATHNAME: G:\22\539\EL\Sheets DATE: 14 May 2025 TIME: 5:05 pm



REVISED STUDENT DROP OFF LIGHTING PLAN 2 / E133
SCALE: 1/8"=1'-0"



EXISTING STUDENT DROP OFF LIGHTING PLAN 1 / E133
SCALE: 1/8"=1'-0"

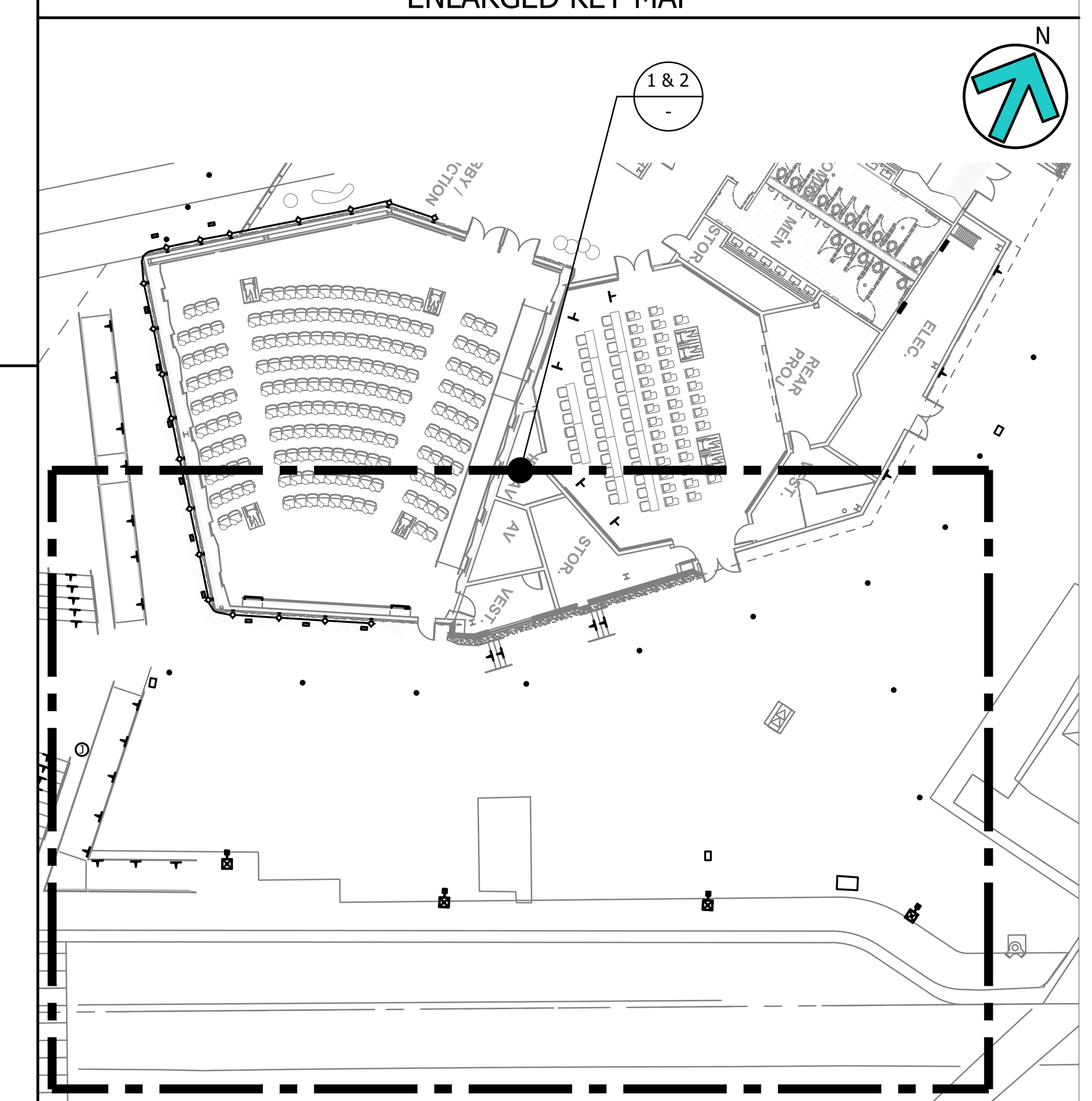
SHEET NOTES:

1. 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.
2. 1" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
3. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
4. REPLACE ALL DAMAGED PLANTS WITH NEW SAME TYPES & SIZES.
5. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL LIGHTING SYSTEM CONDUITS.

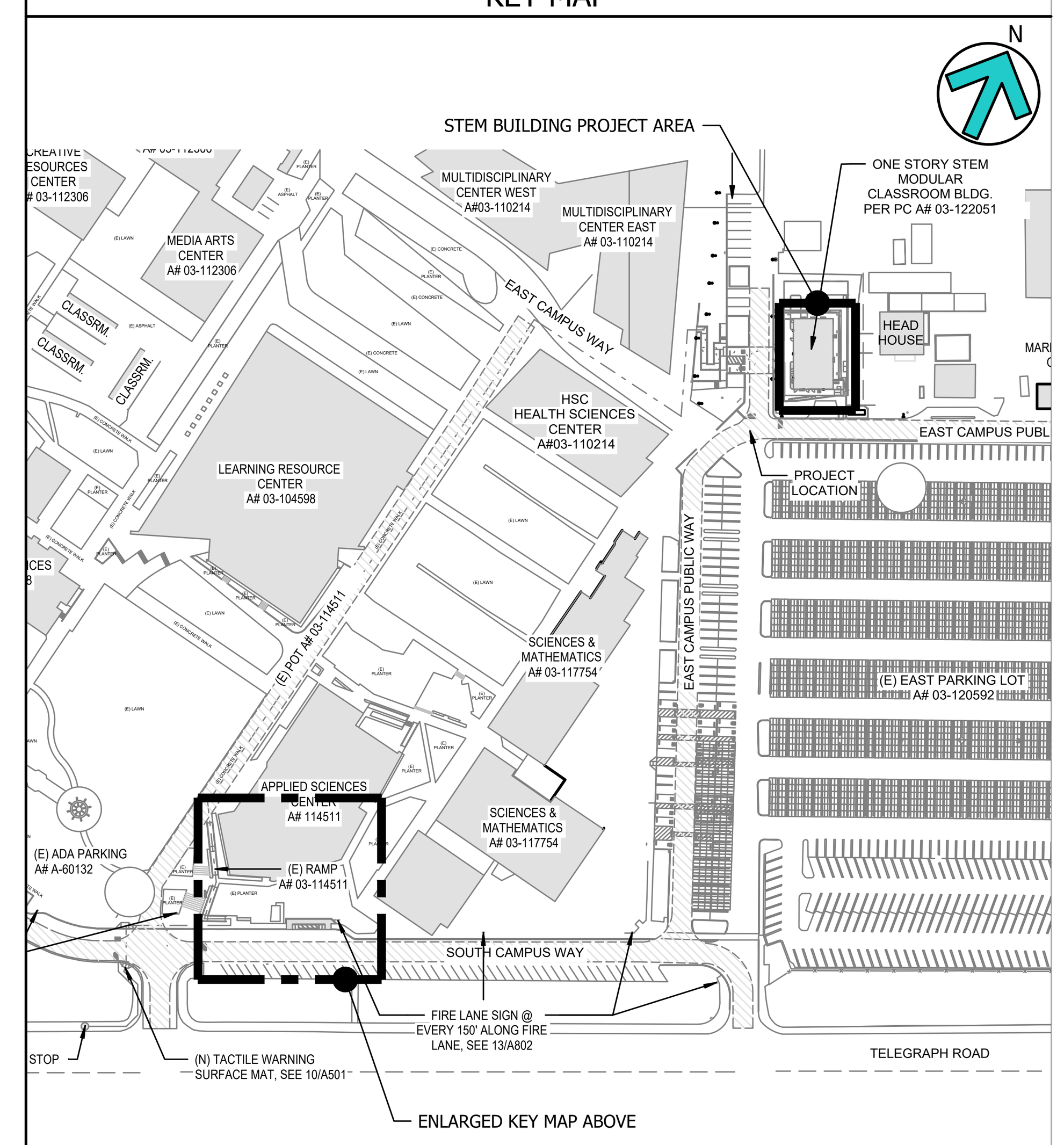
KEY NOTES:

1. INTERCEPT EXISTING FEEDERS & PROVIDE 12" x 18" TRAFFIC RATED CONCRETE PULLBOX. EXTEND NEW FEEDER (1"C WITH CONDUCTORS AS NOTED TO COMPLETE CIRCUIT CONNECTION. PROVIDE NO SPLICES IN PULLBOXES. INSTALL NEW FEEEDERS FROM POLE BASE TO POLE BASE) TO NEAR POLE BASE FROM EXISTING POLE LIGHT BASE.
2. RELOCATE POLE FIXTURE & PROVIDE NEW POLE BASE PER 7/E601 POLE BASE SEE 1/E134
3. EXISTING ELECTRICAL PULLBOX.
4. NEW 12" x 18" TRAFFIC RATED PULLBOX FLUSH WITH FINISHED GRADE.

ENLARGED KEY MAP



KEY MAP



DIVISION OF THE STATE ARCHITECT

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

PROJECT TITLE AND SCHOOL LOCATION

VENTURA COMMUNITY COLLEGE STEM MODULAR BUILDING
VENTURA COMMUNITY COLLEGE
4667 TELEGRAPH RD.
VENTURA, CA 93003

COMMISSIONED ARCHITECT

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8340 Exp. 09/30/2026 ELECTRICAL STATE OF CALIFORNIA

1 ADDENDUM 01, MAY 13, 2025

SHEET TITLE:

DROP OFF AREA LIGHTING EXISTING AND REVISED PLAN

PROJECT NO.:	22-VCCCD-08	PROJECT ARCH:	Designer
DRAWN:	LK/DS/IT	CHECKED:	KL
SHEET NUMBER:	E133		
DATE:	12/20/24	SHEET:	____ OF ____

L.A.I.# 22-539 PAPER SIZE 42"x30"

LIGHTING SCHEDULE

Symbol	Label	Image	Qty	Manufacturer	Catalog Number	Description	Lamp	Number Lamps	Lamp Output	LLF	Input Power	Distribution	Notes
	L18		3	Antique Street Lamps	EH16 GCF XT 49LED 530mA 50K R2	EH16 GCF LED 1 MODULE, 49 LED'S, 530mA 4000K TYPE2	ONE 86-WATT LED, DOWNLIGHT POS.	1	6700	0.95	86.7	TYPE II, SHORT, BUG RATING: B2 - U0 - G2	16FT MOUNTING HEIGHT `

STATISTICS

Description	Symbol	Avg	Max	Min	Max/Min	Avg/Min	UG
DROP OFF AREA	+	1.3 fc	6.4 fc	1.0 fc	N/A	N/A	-1.0

TWO EXISTING FIXTURES TO REMAIN WITH 1 FIXTURE RELOCATED

ANTIQUE STREET LAMPS

Eurotique™ Cast Aluminum Extruded Post
Eurotique™ Small Pendant Arm
Eurotique™ Munich Pendant

POLE ATTRIBUTES:

The lighting poles shall be one piece all aluminum construction with a two piece base cover. The poles shall have a straight shaft with integral anchor base plate.

- The poles shall be extruded aluminum with cast aluminum anchor plate, base cover and handhole cover.
- Anchor bolts to be completely hot dip galvanized.

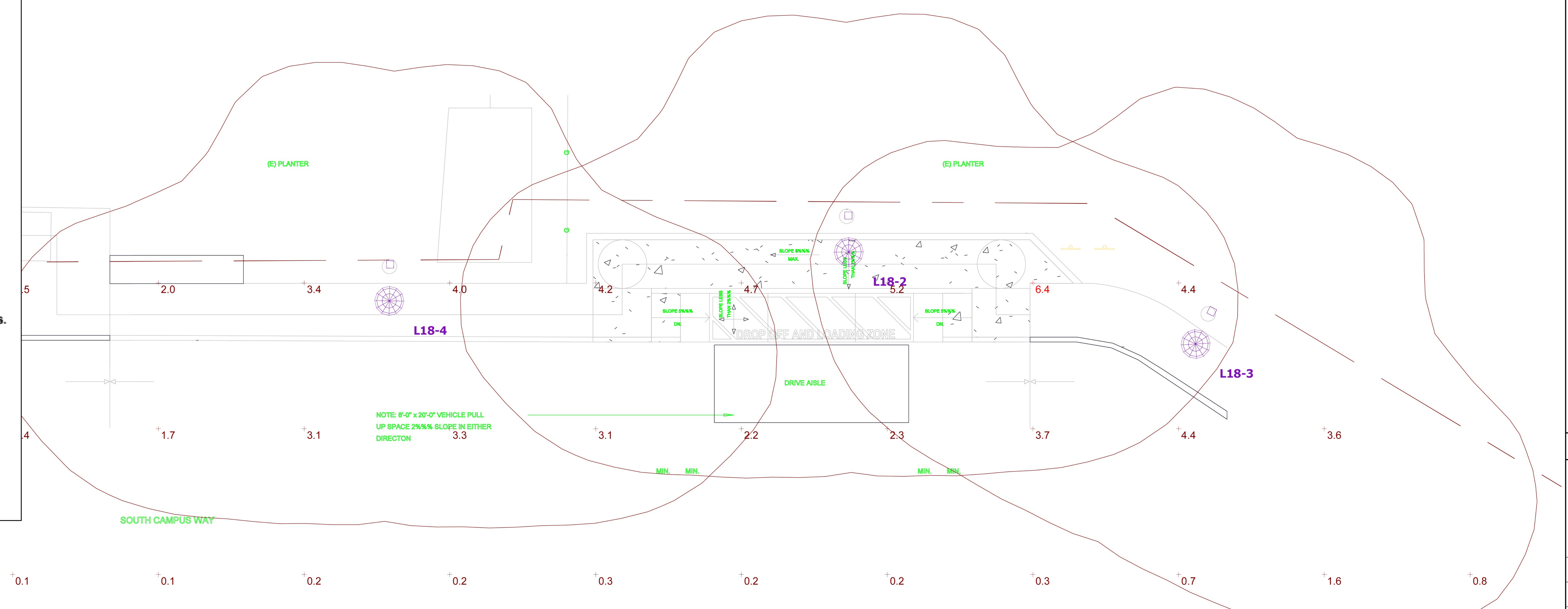
CROSSARM ATTRIBUTES:

- The arms shall be one piece construction.
- The cast rectangular arms shall be welded to a center spool and plumbizer housing.
- The arms, finials, plumb housing and swivel nipple shall be cast aluminum.
- All hardware shall be stainless steel.
- Optional twist lock photocontrol installed at center spool top instead of finial.

FIXTURE ATTRIBUTES:

This European shaped pendant or wall mount luminaire consists of a driver housing and skirt with an internal light engine with a choice of two lens options.

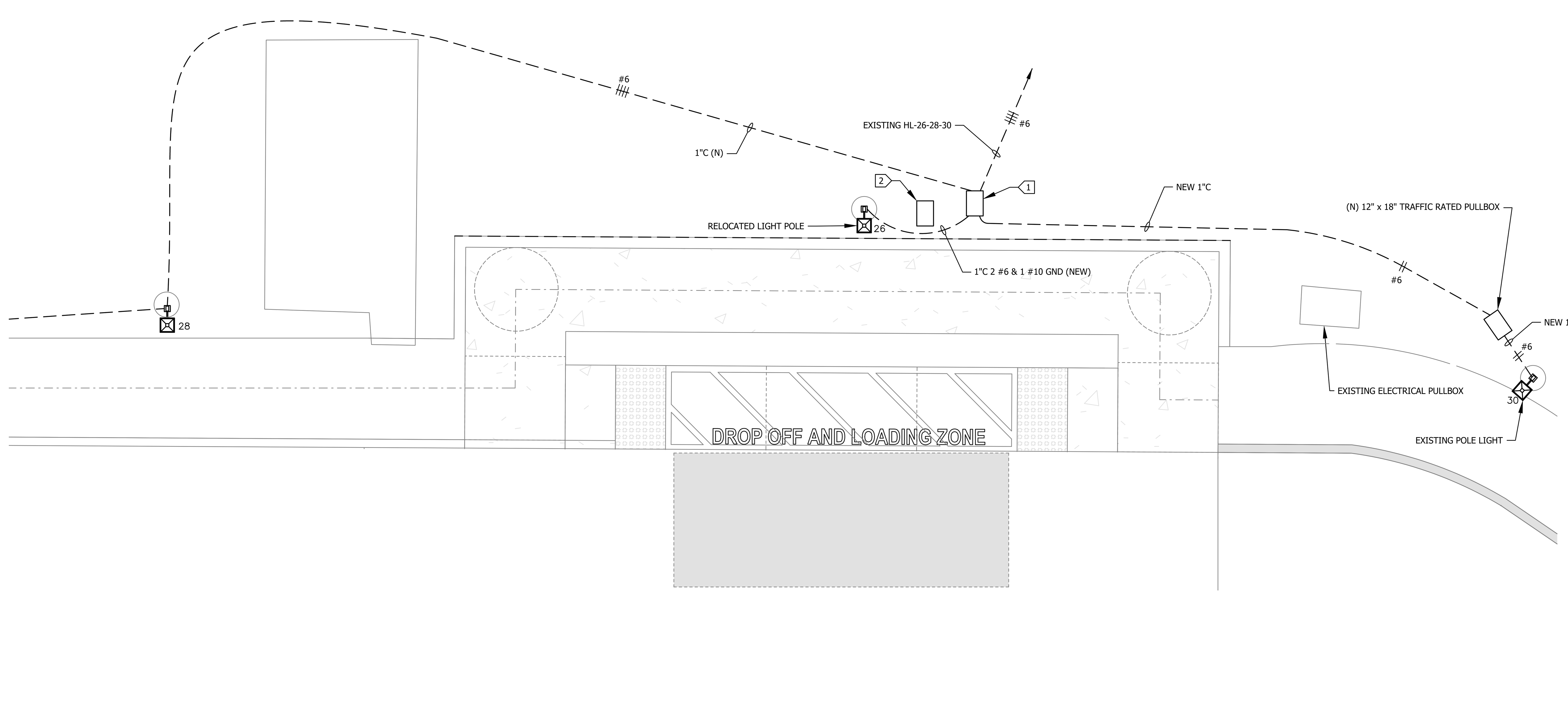
- Choice of flat or sag glass
- Stainless steel hardware
- Driver and light engine assembly mount on a removable assembly plate and are furnished with quick-disconnect plugs for ease of installation and maintenance
- CSA listed and labeled as suitable for wet locations
- TGIC powder coat finish
- Mounts via swivel nipple to the Urban 4" or 5" diameter arms (specify PNIP3 option when ordering 5" arm); see arm specification sheets for details on mounting options



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

STUDENT DROP OFF LIGHTING PHOTOMETRIC PLAN 2 E134

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



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

STUDENT DROP OFF LIGHTING PLAN 1 E134

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

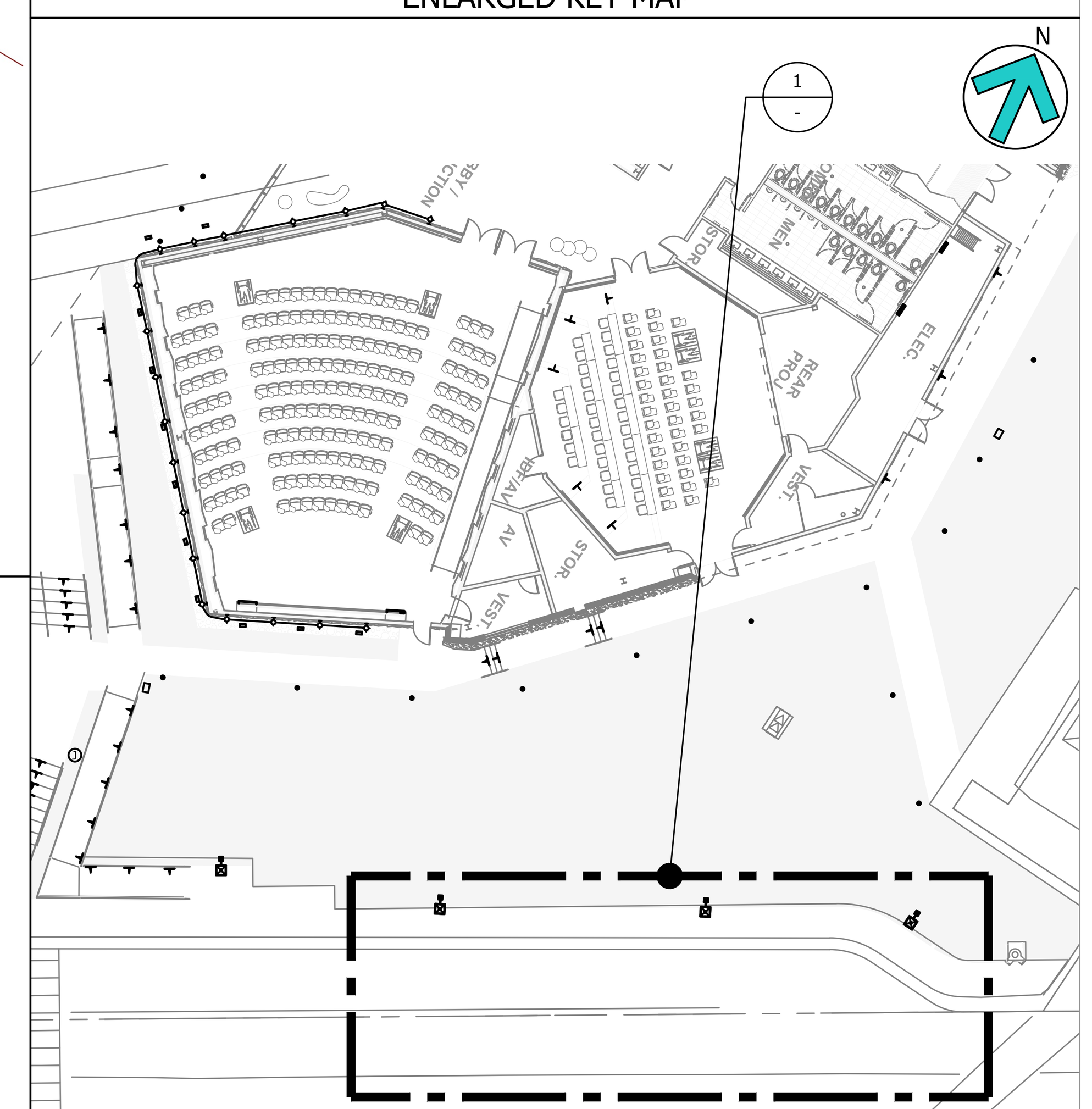
SHEET NOTES:

1. 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.
2. 1" CONDUIT MINIMUM UNLESS OTHERWISE NOTED.
3. VERIFY LOCATION OF ALL DEVICES ON ARCHITECTURAL PLANS.
4. PROVIDE CODE SIZED EQUIPMENT GROUNDING CONDUCTOR IN ALL LIGHTING SYSTEM CONDUITS.

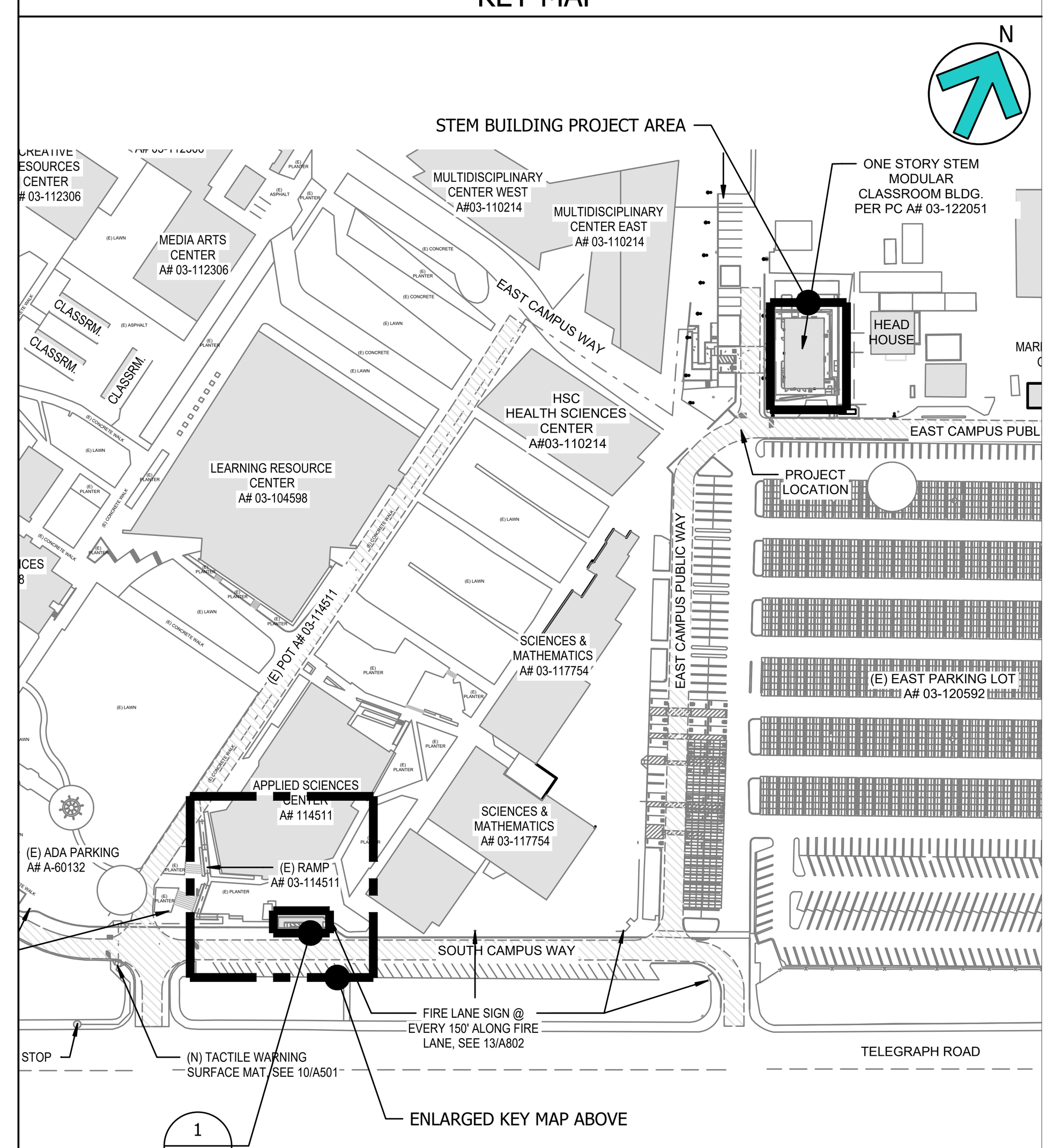
KEY NOTES:

1. 12" x 18" TRAFFIC RATED PULLBOX.
2. EXISTING ELECTRICAL PULLBOX SHOWN ON E133.

ENLARGED KEY MAP



KEY MAP



DIVISION OF THE STATE ARCHITECT

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PROJECT TITLE AND SCHOOL LOCATION

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STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER KENNETH W. LUCCI No. E 8340 Exp. 09/30/2026 ELECTRICAL STATE OF CALIFORNIA

1 ADDENDUM 01, MAY 13, 2025

SHEET TITLE:

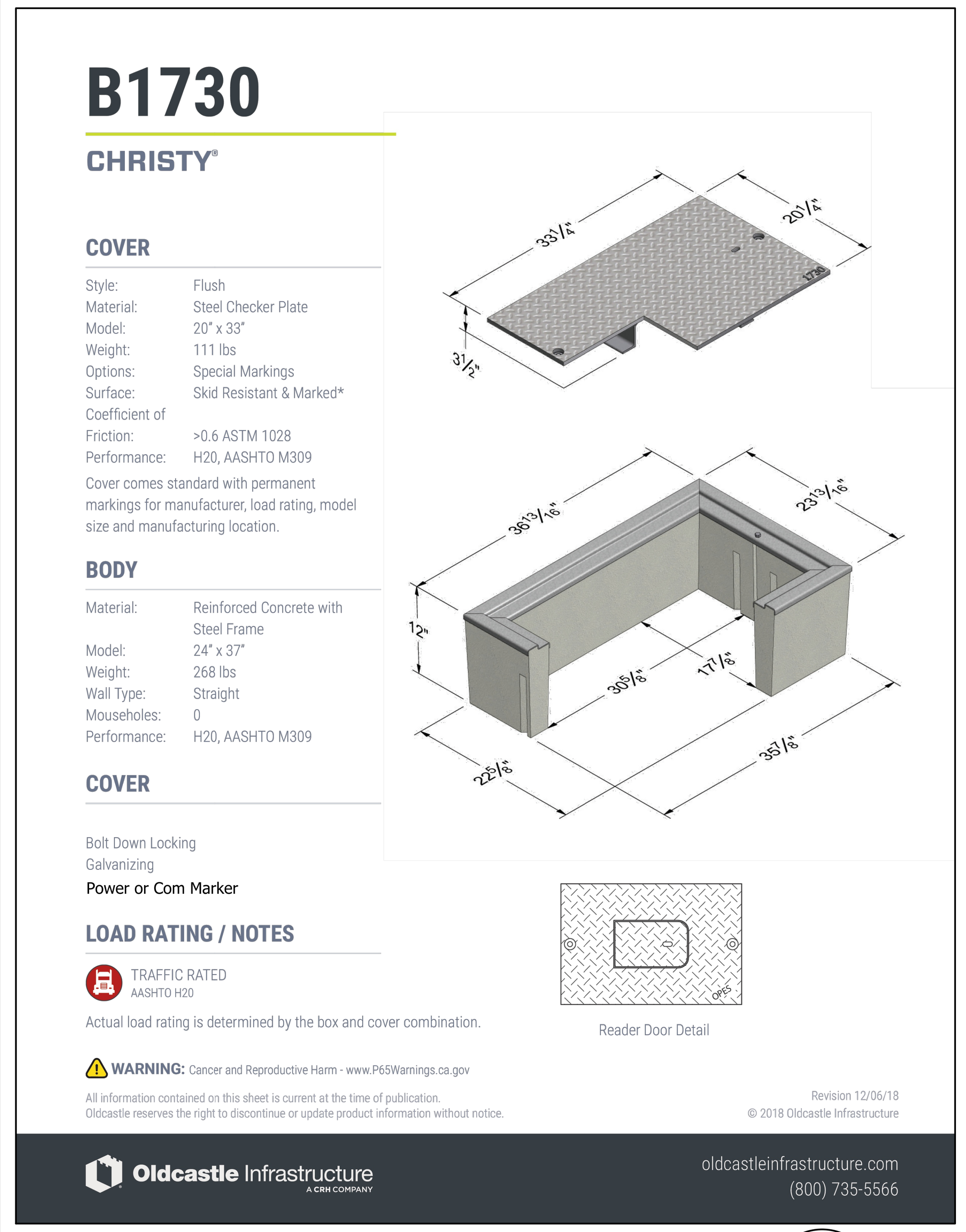
DROP OFF AREA LIGHTING NEW WORK AND PHOTOMETRIC PLAN

PROJECT NO: 22-VCCCD-08		PROJECT ARCH:	Designer
DRAWN: LK/DS/IT		CHECKED:	KL
SHEET NUMBER:	E134		
DATE: 12/20/24		SHEET:	OF

L.A.I.# 22-539 PAPER SIZE 42"x30"

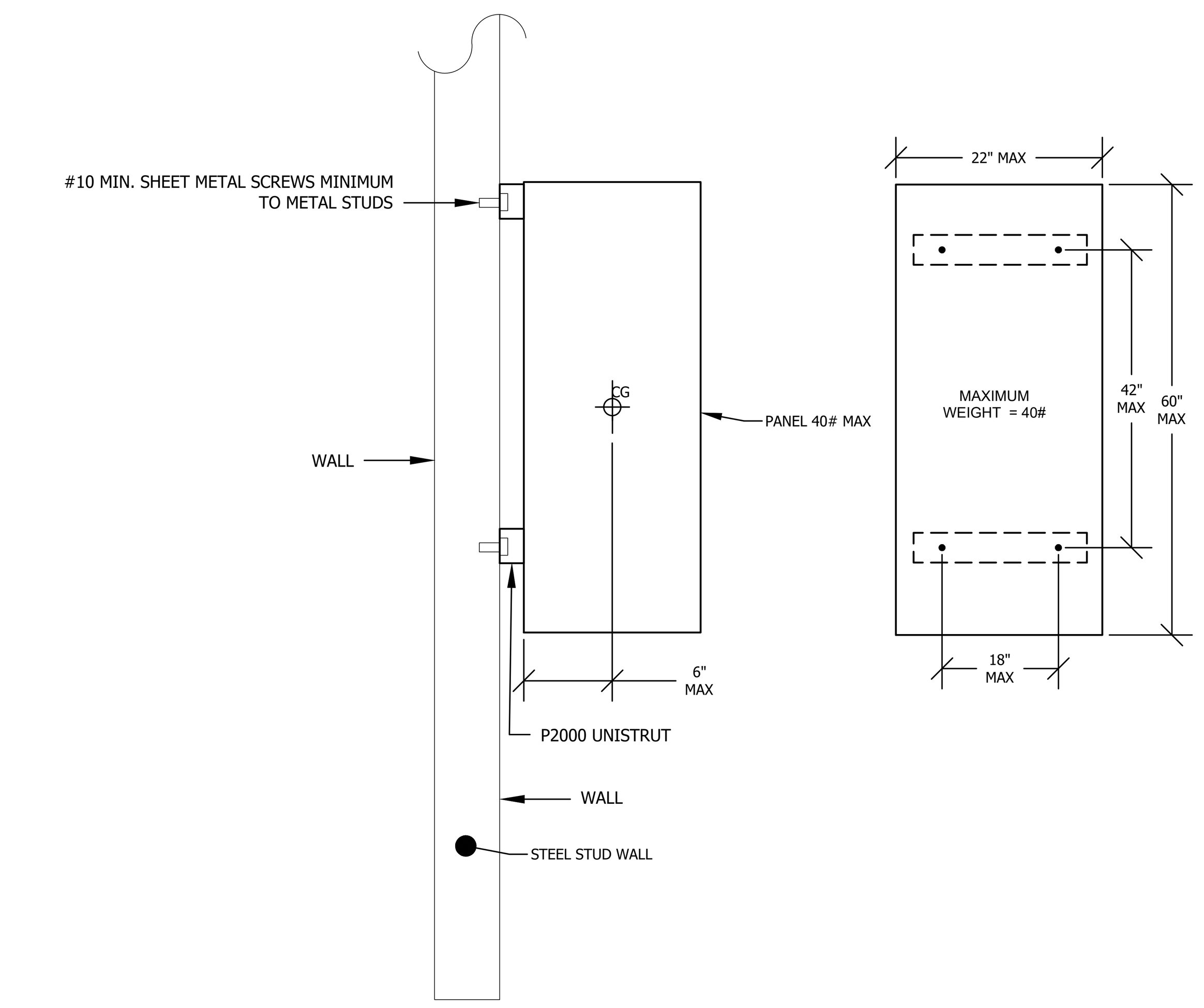
DRAFTER: CM02 DRAWING FILENAME: 22-539E134 PATHNAME: G:\22\539\EL\Sheets DATE: 14 May 2025 TIME: 5:05 pm

DIVISION OF THE STATE ARCHITECT



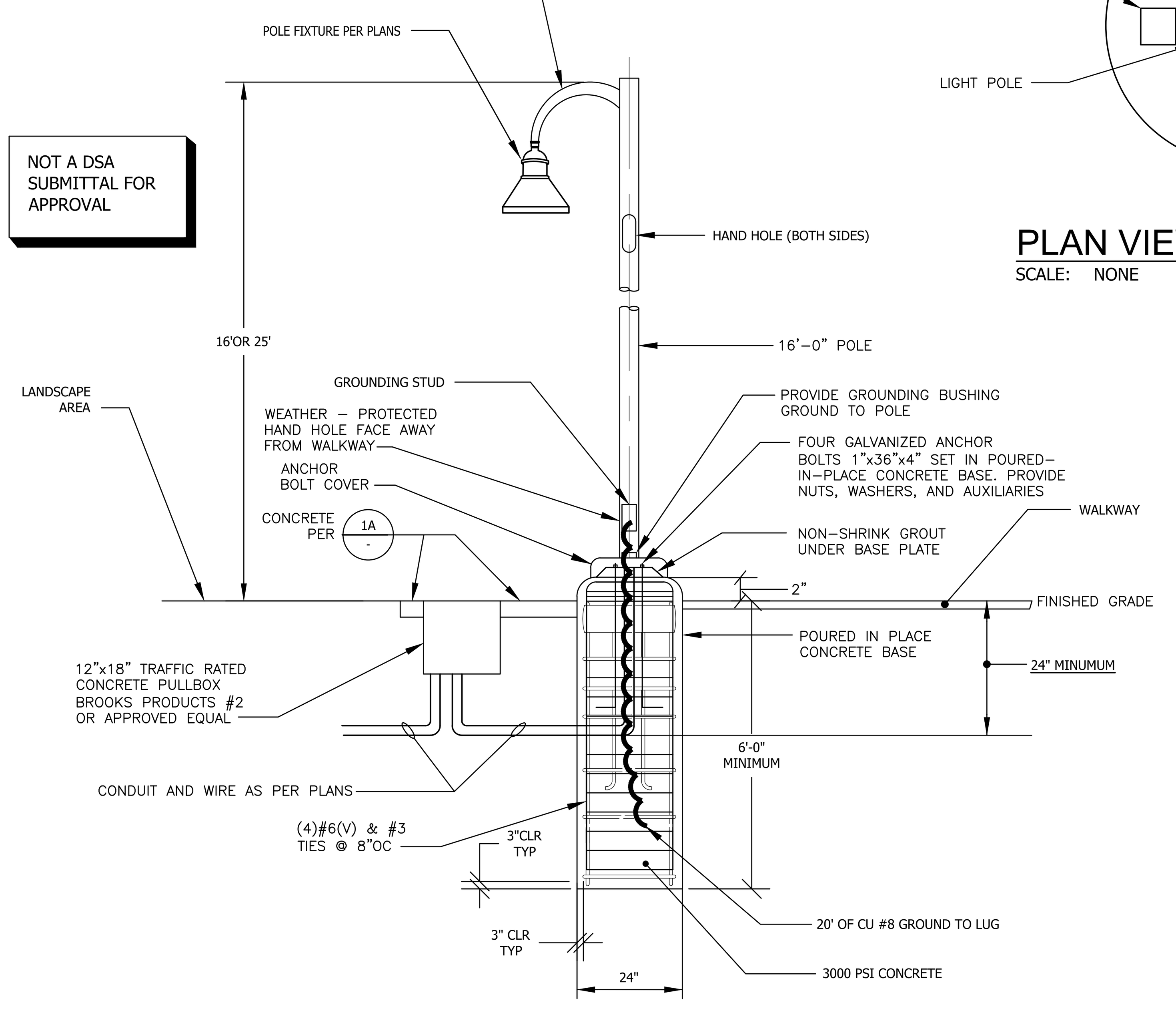
CHRISTY PULL BOX DETAIL 6
SCALE: NONE - E601

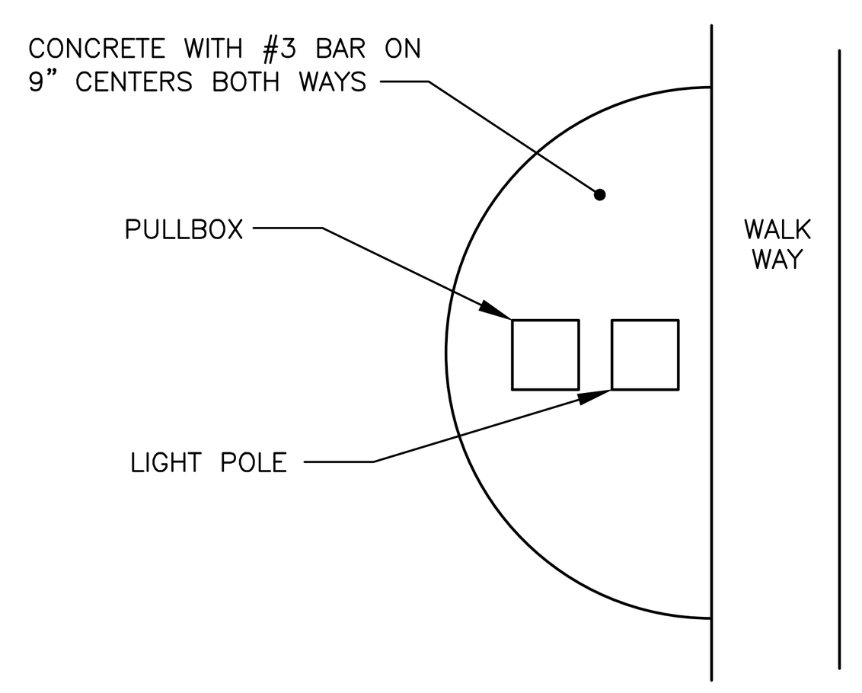
NOT USED 3
SCALE: NONE - E601



PANELBOARD, FIRE ALARM OR IDF PANEL ANCHORAGE METAL STUD WALL - SURFACE 2
SCALE: NONE - E601

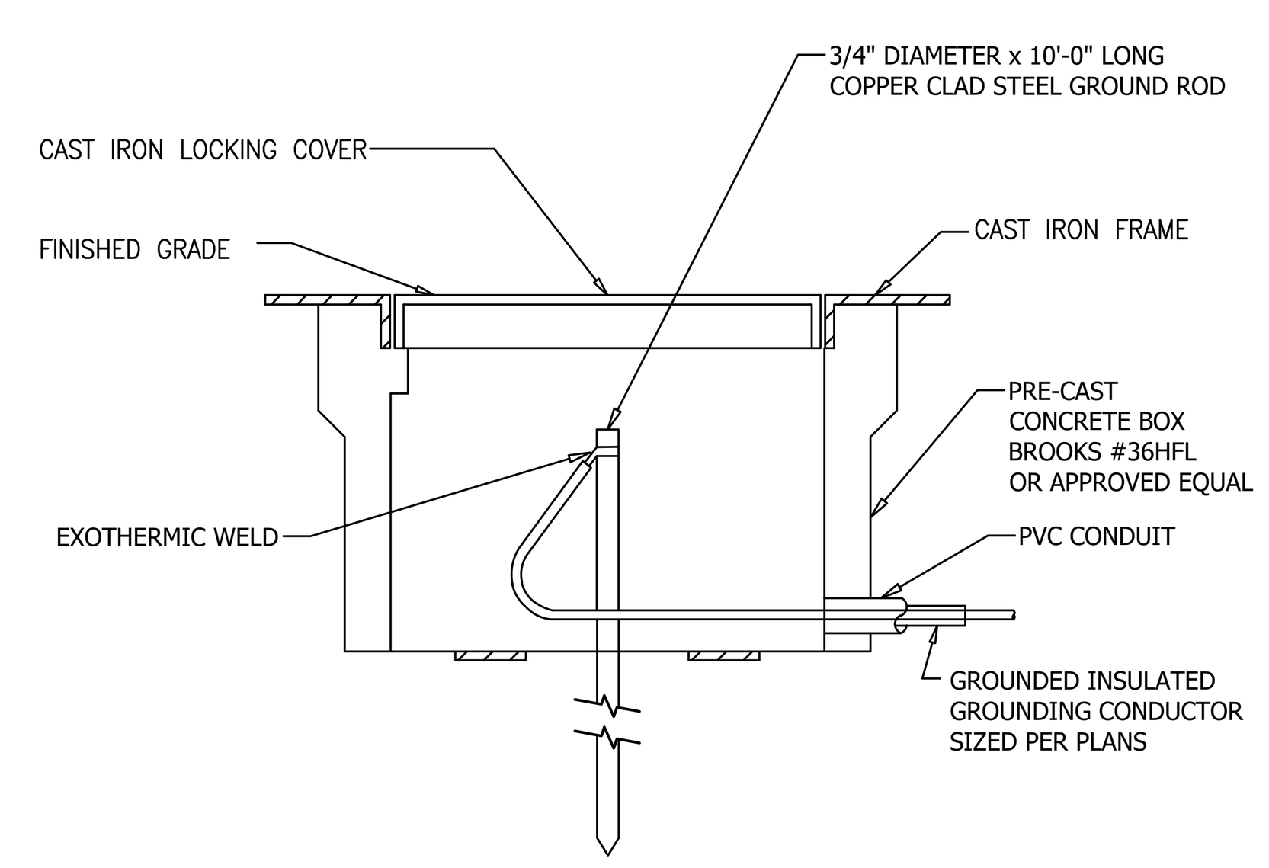
STEEL STUD





PLAN VIEW 1A
SCALE: NONE - E601

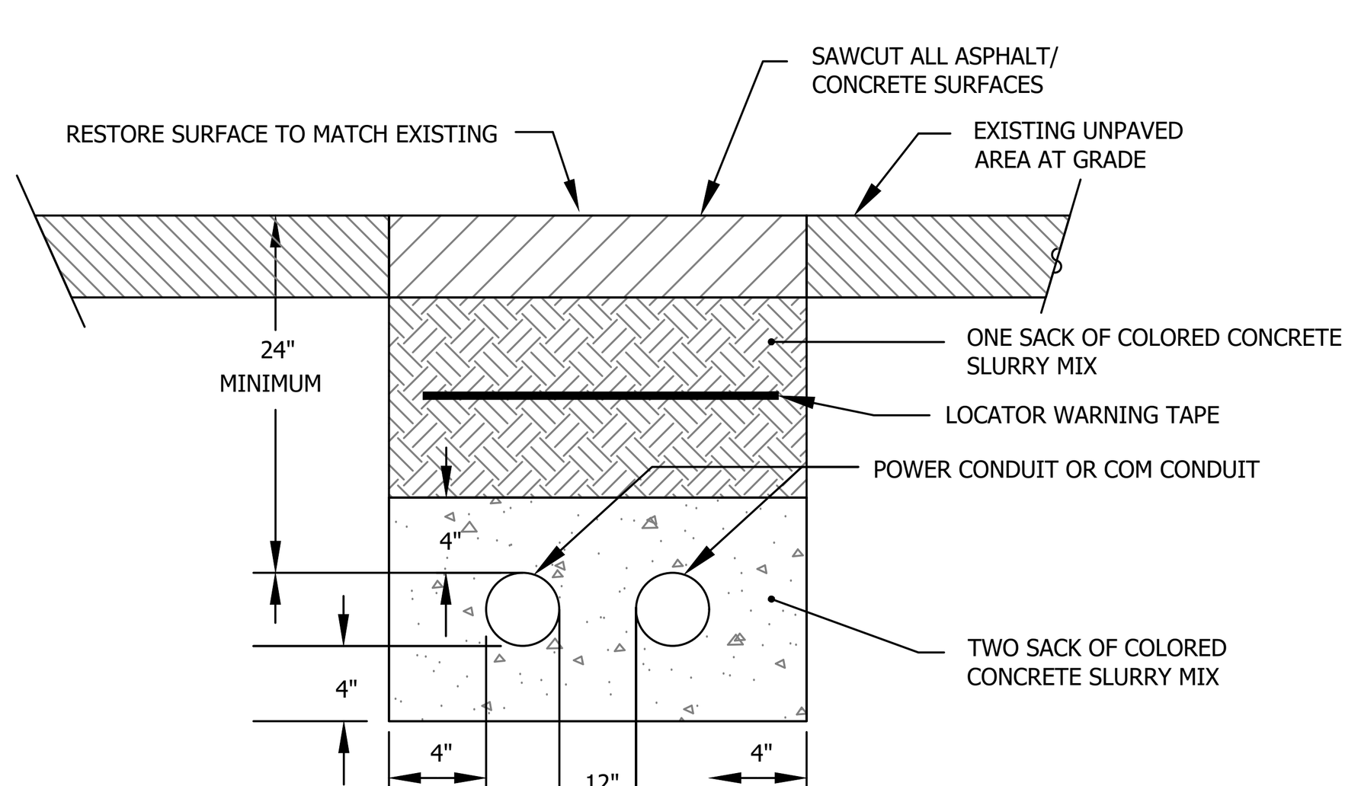
POLE LIGHT BASE DETAIL 7
SCALE: NONE - E601



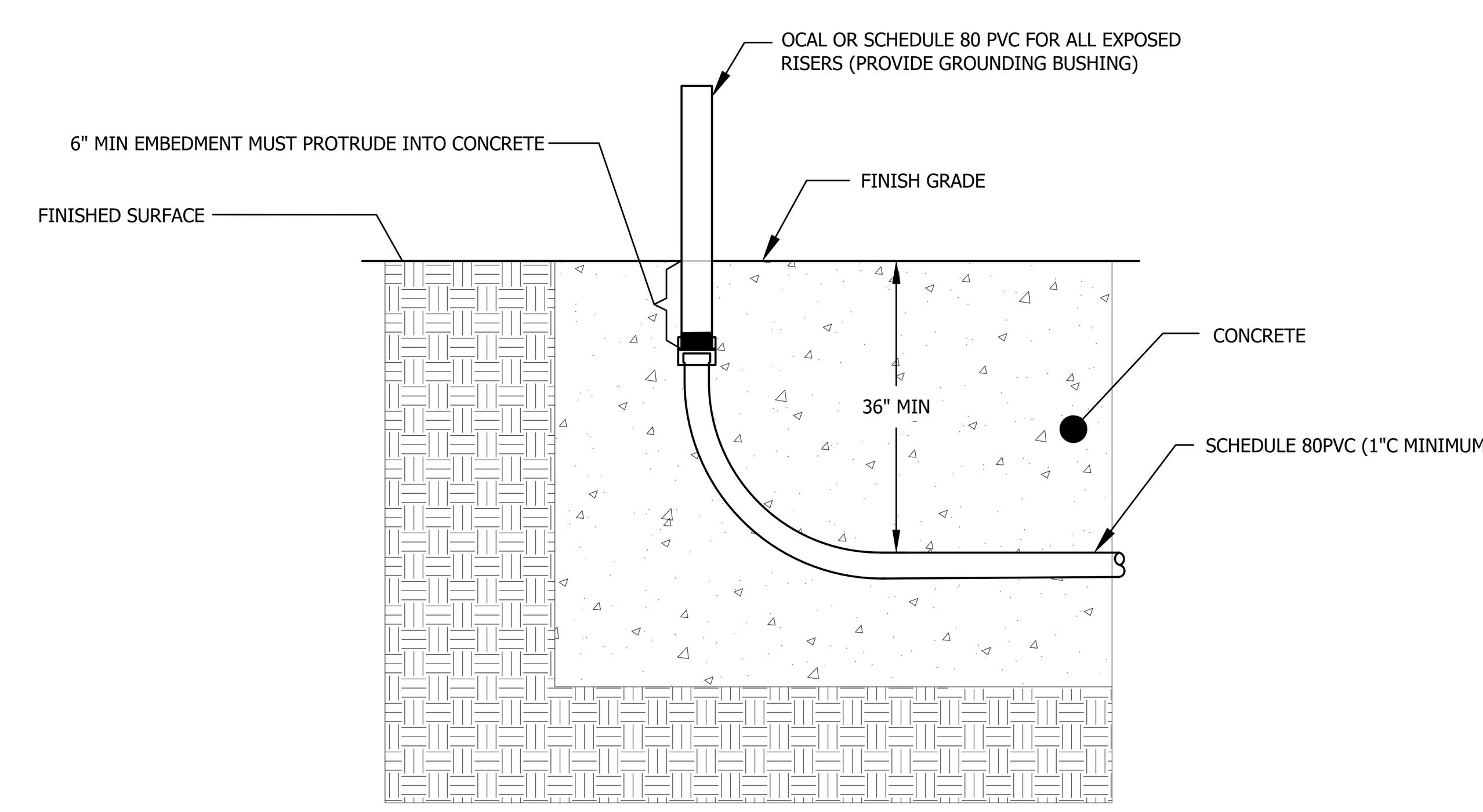
GROUND WELL DETAIL 5
SCALE: NONE - E601

DETAIL NOTES:

1. ALL CONDUITS TO BE PROVIDED WITH LABELED METERED 3/16 PULLSTRINGS OR MULE TAPE THEIR ENTIRE LENGTH.
2. ALL CONDUITS BENDS SHALL BE FACTORY BENDS WITH MINIMUM 12 TIMES DIAMETER BEND RADIUS.
3. ALL FEEDERS TO BE PER ELECTRICAL SINGLE LINE.



DUCTBANK SECTION 4
SCALE: NTS TYPICAL POWER & COM - E601



CONDUIT PENETRATION DETAIL 1
SCALE: NONE - E601

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

PROJECT TITLE AND SCHOOL LOCATION

VENTURA COMMUNITY COLLEGE STEM MODULAR BUILDING
VENTURA COMMUNITY COLLEGE
4667 TELEGRAPH RD.
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

STAMPS/SEALS

REGISTERED PROFESSIONAL ENGINEER – No. E 8340 – Exp. 09/30/2026 – ELECTRICAL – STATE OF CALIFORNIA

ADDENDUM 01, MAY 13, 2025

SHEET TITLE:

ELECTRICAL DETAILS

PROJECT NO: 22-VCCCD-08		PROJECT ARCH: Designer	
DRAWN: LK/DS/IT		CHECKED: KL	

SHEET NUMBER:

E601

DATE: 12/20/24 SHEET: ___ OF ___

L.A.I.# 22-539 PAPER SIZE 42"x30"

DRAFTER: CM02 DRAWING FILENAME: 22-539E601 PATHNAME: G:\22\539\EL\Sheets DATE: 14 May 2025 TIME: 5:05 pm

BIDDING DOCUMENTS
TABLE OF CONTENTS

END OF TABLE OF CONTENTS

SECTION 07 1326

SELF-ADHERING SHEET WATERPROOFING

1

PART 1 - GENERAL

addendum 01: 05/15/2025

1.01 SUMMARY

A. Section Includes: Sheet waterproofing in locations indicated including:

1. Sheet waterproofing in planters and retaining walls.

2. Drainage sheets and protection boards.

B. Related Requirements:

1. Division 01 - General Requirements.

2. Section 03 3000 - Cast-In-Place Concrete.

1.02 SUBMITTALS

A. Certificates: Submit a certificate stating applicator is certified by the waterproofing material manufacturer and, upon completion, submit a certificate stating that waterproofing systems have been installed in conformance with reviewed submittals and manufacturer's recommendations.

B. Product Data: Submit manufacturer's Product Data including complete installation instructions.

C. Shop Drawings: Submit Shop Drawings indicating each condition of the Work. Indicate all adjoining Work, and indicate methods of adhesion and attachment, laps, and related conditions.

D. Samples: Submit Samples, not less than 12-inch square, of each type of composite sheet membrane, mounted on plywood. Submit 12-inch square Samples of each type of drainage and protection board.

E. Experience Record: Submit a list of at least five installations on which each of the materials and systems proposed for installation have been in satisfactory service for at least three years.

1.03 QUALITY ASSURANCE

A. References:

1. ASTM D6506 - Standard Specification for Asphalt Based Protection for Below-Grade Waterproofing.

2. ASTM D6135 - Standard Practice for Application of Self-Adhering Modified Bituminous Waterproofing.

3. ASTM E96 - Standard Test Methods for Water Vapor Transmission of Materials.

4. ASTM E154 - Standard Test Methods for Water Vapor Retarders Used in Contact with Earth Under Concrete Slabs, on Walls, or as Ground Cover.

B. Qualifications of Manufacturer: Sheet membrane waterproofing system shall be manufactured by a firm with a minimum of 20 years experience in the production of self-adhesive sheet membrane waterproofing.

C. Qualifications of Installer: A firm which has at least three years experience in work of the type required by this section, and is recommended by manufacturer to install the specified products.

D. Pre-Installation Conference and Inspection: After review of submittals but before starting installation of the Work of this section, conduct a meeting at the Project site attended by the Project Inspector, Architect, OWNER, Contractor waterproofing applicator and a technical representative of the waterproofing material manufacturer. The waterproofing applicator and material manufacturer's technical representative shall inspect the substrates to receive Work of this section and report defective conditions to Project Inspector, Architect, OWNER and Contractor.

E. Manufacturer's Representative: Provide arrangements necessary to have a trained representative of the manufacturer visit the Project site on a weekly basis during membrane waterproofing Work to review installation procedures.

F. Materials shall comply with current State of California and local Air Quality Management District requirements for volatile organic compounds of not over 350 grams per liter.

1.04 DELIVERY, STORAGE AND HANDLING

A. Deliver materials in manufacturer's unopened packages fully identified with manufacturer's name, trade name, type, class and grade. Each package shall be identified with material name, date of manufacturer and batch number.

B. Store materials at the Project site under cover and maintain in dry condition. Protect from damage from excessive temperature and construction operations. Do not double-stack pallets of membrane. Protect mastic and adhesive from moisture and excessive heat.

C. Store drainage composite or protection board flat and above grade. Provide cover on top and all sides of pallets and provide for adequate ventilation. Protect surface conditioner from freezing.

1.05 PROJECT CONDITIONS

A. Install suitable impervious type masking to preclude staining of surfaces to remain exposed wherever waterproofing abuts or laps on to other finish surfaces, and provide additional protection as necessary to supplement masking; cover entire area of building subject to damage or staining.

B. Protect adjacent Work during installation of Work of this Section.

C. Apply sheet waterproofing materials only in dry weather and when outside temperature is within the limits established by the manufacturer of the materials and products used.

D. Do not apply sheet waterproofing materials to damp or wet surfaces unless specifically approved in writing by manufacturer.

1.06 WARRANTY

A. Manufacturer shall provide a five year material warranty.

B. Installer shall provide a five year labor warranty.

PART 2 - PRODUCTS

2.01 ACCEPTABLE MANUFACTURERS

A. Sheet waterproofing shall be as manufactured by:

1. W.R. Grace & Co., W.R. Meadows, Inc.

2. Protecto Wrap Company.

3. Equal.

2.02 MATERIALS

A. Sheet waterproofing material shall be self-adhesive, cold-applied such as W.R. Grace Bituthene 4000, W.R. Meadows Mel-Rol, Protecto Wrap PW 100/60, or equal. The material shall be a self-adhesive, cold-applied composite sheet consisting of a thickness of 0.056 inches of rubberized asphalt and 0.004 inches of cross-laminated, high density polyethylene film specially formulated for use with water-based surface conditioner. Provide rubberized asphalt membrane covered with a release sheet, which is removed during installation. No special adhesive or heat shall be required to form laps.

B. Surface conditioner: Latex based surface conditioner as recommended by manufacturer

C. Adhesives fillets and sealers: Types as recommended by manufacturer for installation with specified membrane sheet.

D. Prefabricated Drainage Sheet:

1. For vertical surfaces: Hydroduct 220, Mel-Drain 5035B, Protecto Drain 2000-V, or equal, consisting of a dimpled high impact polystyrene core and a needle punched non-woven filter fabric adhered to one side of the core. A film shall be adhered to the other side of the core.

2. For horizontal surfaces: Hydroduct HSF, Mel-Drain 7555, Protecto Drain 2000-V, or equal, consisting of dimpled high impact polystyrene core and an extra heavy woven filter fabric bonded to the core.

E. Protection board for horizontal surfaces shall be 1/8 inch thick complying with ASTM D6506, semi-rigid sheets of fiberglass or mineral-reinforced asphaltic core, pressure laminated between two asphalt-saturated fibrous liners.

F. Protection board for vertical surfaces shall be 1 inch thick extruded polystyrene per Section 07 2100 Thermal Insulation.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Inspect and verify condition of substrates and related Work, in the presence of the manufacturer's technical representative. Do not start installation of membranes until defects in substrates have been corrected. Concrete shall be smooth, dry, and free of voids. Masonry shall have a parge coat applied.

3.02 APPLICATION OF MEMBRANE ON VERTICAL WALLS BELOW GRADE ENCLOSING OCCUPIED SPACES AND IN PLANTERS

A. Surface Conditioning: Install surface conditioner and allow to dry to surfaces to be covered with membrane the same day.

B. Corner Treatment: Pretreat inside corners with liquid membrane compound, to form a fillet or use formed reinforcement fillet recommended by manufacturer. Smooth all surfaces of outside corners.

C. Horizontal Surfaces: Install nine inch wide strips of membrane material over construction joints, cracks, and grouted joints. Seal expansion joints as recommended by manufacturer. At drains and vertical projections, install two layers of membrane sheet extended out not less than 6 inches in all directions, and seal. At drains, extend the membrane into the clamping ring and seal. Over prepared surfaces install membrane in one layer and roll into place. Lap sheets 2-1/2 inches at edges and ends.

D. Vertical Surfaces: Install membrane vertically in heights to 8 feet. Lap seams 2 ½ inches. Roll membrane with hand roller. Extend membrane over top of foundation walls, planter walls and parapet walls, except where reglets are provided for termination.

3.03 PREFABRICATED DRAINAGE SHEET

A. Vertical Surfaces: Install rolls of vertical drainage sheet over the completed membrane, starting at the base of the wall. Peel the fabric back approximately 12 inches from the lower edge. Where drainage pipe occurs, install the drain core behind the pipe and extend the fabric over the outside of the pipe. Adhere the drainage sheet to the wall using strips of adhesive as recommended by manufacturer.

B. Horizontal Surfaces: Adhere the drainage sheet to the membrane with strips of adhesive. Butt adjacent panels together and overlap fabric onto the previous panel. At corners, cut the core and cover the core with filter fabric or tape.

3.04 COMPOSITE STRIP WATERPROOFING

A. Provide at sills, copings, eaves, ridges, and under other flashing as indicated. Do not fold over exposed edges. Prime concrete and masonry surfaces as recommended by manufacturer. Cut the membrane into 10 to 15-foot lengths and reverse roll. Separate membrane from release paper, press firmly into place, and roll to eliminate bubbles and assure full adhesion. Lap sides of sheets not less than 3.5 inches and ends not less than 6 inches.

3.05 HIGH TEMPERATURE RESISTANT UNDERLAYMENT

A. Seal joints in insulation as recommended by manufacturer. Prime insulation at rate of one gallon per 500 square feet if recommended by manufacturer. Over prepared surfaces install membrane in one layer and roll into place. Lap sheets 3 ½ inches at edges and 6 inches at ends. Roll firmly into place to obtain full adhesion of sheets to substrate.

3.06 APPLICATION OF MONOLITHIC MEMBRANE FOR ALL SUBSTRATES OTHER THAN CONCRETE

A. Membrane Application:

1. Install the rubberized asphalt membrane at a rate to provide a continuous, monolithic coat of 90 mil, into which is fully embedded a layer of spunbound polyester fabric reinforcing sheet, followed by another continuous monolithic coat of membrane at a minimum thickness of 125 mils. Total membrane thickness to be provided is 215 mils.

2. Overlap fabric reinforcing sheet 1 to 2 inches with membrane between sheets.

3.07 PROTECTION BOARD

A. Cover all surfaces, vertical and horizontal, with protection board, unless indicated otherwise. Install with adhesive recommended by manufacturer, and compatible with membrane materials.

3.08 TESTS OF MEMBRANES

A. Horizontal membranes shall be subjected to standing water test after completion, but before protection board is applied. Tests shall be conducted as soon as possible after

completion of membrane in each area. When membrane installation is completed, seal drain, sandbag perimeter, fill membrane with water to height of not less than 2 inches, pond test for not less than 24 hours, repair all leaks or defects disclosed, and test until results are satisfactory. Remove all sandbags, plugs and drain when testing is completed. Clean surfaces of membrane.

3.09 PROTECTION

A. Protect the Work of this section until Substantial Completion.

3.10 CLEANUP

A. Remove rubbish, debris and waste materials and legally dispose of off the Project site.

END OF SECTION

SECTION 10 2813

TOILET ACCESSORIES

addendum 01: 05/15/2025

PART 1 - GENERAL

1.01 SUMMARY

A. Section Includes:

1. Toilet accessories.

B. Related Requirements:

1. Division 01 - General Requirements.

2. Section 05 4100 - Structural Metal Stud Framing.

3. Section 10 2113 - Plastic Toilet Compartments.

4. Section 10 2815 – Hand and Hair Dryers.

1.02 REGULATORY REQUIREMENTS

A. Comply with CBC Chapter 11B requirements and ADAAG recommendations for accessibility.

1.03 SUBMITTALS

A. Shop Drawings: Submit a schedule of accessories and Shop Drawings indicating installation methods and fasteners.

1.04 QUALITY ASSURANCE

A. Coordinate related Work as required to ensure proper and adequate provision in framing of backing and wall finish for installation of accessories.

B. Coordinate requirements of Section 10 2113 - Plastic Toilet Compartments to ensure that correct openings are provided in partitions for toilet accessories where required.

1.05 DELIVERY, STORAGE AND HANDLING

A. Protect accessories from damage.

PART 2 - PRODUCTS

2.01 GENERAL

A. Accessories shall be provided with necessary anchoring devices and fasteners appropriate for surfaces on which items are to be fastened.

2.02 TOILET ACCESSORIES

A. Sanitary Napkin Disposals:

Disposals in accessible toilet rooms or compartments: recessed, semi-recessed or 3-inch maximum projection from wall surface; Bobrick B 270, Bradley, or equal. Fasten with minimum 2 - #8 x 2" long stainless steel sheet metal screws.

B. Paper Towel Boxes: Type 304 stainless steel, satin finish. Door with tumbler lock and piano hinge. Fasten with minimum 4 - #8 x 2" long stainless steel sheet metal screws.

Surface mounted: ASI 0245-SS, Bobrick B-262 or equal.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Check openings in substrates to receive accessories. Verify openings are correctly located and sized to receive accessories, and that locations will comply with disability access requirements. Confirm that blocking, backing or support is properly located and adequate for the accessory installation.

B. Verify spacing of plumbing fixtures and toilet partitions. Confirm spacing and locations are compatible with proposed accessory locations and will allow compliance with disability access requirements.

3.02 INSTALLATION

A. Install toilet accessories in accordance with manufacturer's written recommendations and accessibility requirements. Fasten components firmly in place.

B. Drill holes to correct size and application that is concealed by item with ¼ inch tolerance.

C. Install recessed accessories into wall openings with sheet metal screws into metal frames.

D. Install surface-mounted accessories to backing plates with machine screws, plumb, and aligned.

E. Grab Bars:

1. Fasten to toilet partition with 3-inch diameter stainless steel back plates with studs, couplings, and stainless steel machine screws.

2. At metal stud walls, provide 1/8 inch cold-rolled steel plate, drilled and tapped for machine screws, or 16 gage cold-rolled steel plate complete with threaded sleeves for stainless steel machine screws. Weld plates to studs.

3. At concrete or masonry walls, install bars with sheet metal screws and expansion anchors.

4. At plaster or gypsum board walls, provide spacers of same thickness as wall material to prevent crushing of wall material.

F. Mirrors: Install mirror on manufacturer supplied concealed wall hanger and fasten with two theft-resistant locking screws.

G. Before Substantial Completion, deliver keys and maintenance instructions and product data to OAR.

3.03 ADJUSTING AND CLEANUP

A. Adjust accessories for proper operation.

B. Remove rubbish, debris, and waste material and legally dispose of off the Project site.

3.04 PROTECTION

A. Protect the Work of this section until Substantial Completion.

END OF SECTION

VENTURA COLLEGE
New Modular STEM Building

RESPONSIBILITY MATRIX for Permanent Modular Buildings

15-May-25

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR	DISTRICT/ OTHERS	COMMENTS
DIVISION 01 - GENERAL REQUIREMENTS				
Temporary facilities/toilets	X			
Temporary site fencing/dumpsters	X			
Temporary electrical power	X			
Temporary phone & internet	X			If required
Staging area for modules on site	X		X	Provide perimeter fencing for modular buildings in final location. If staging away from the project site, Site Contractor to provide perimeter fencing at that location. Shuttling from offsite staging to project site not included and will be at additional fees, if required.
Site security	X			As required for the modular building, including staged modules.
DIVISION 02 - EXISTING CONDITIONS				
Subsurface investigation	X			Per Section 00800-1.33
Removal of any obstacles within 40' of building foundation that my impede crane set of modular buildings	X			Includes existing trees designated as to be removed.
Demolition & removals	X			
DIVISION 03 - CONCRETE				
Mow strips	X			Forming, placing, installing mow strips and all associated materials.
Site flatwork & accessories	X			Forming, placing, installing all flatwork and all associated materials. New concrete/asphalt should not be placed until after delivery/install of modular buildings. Modular manufacturer not responsible for cracking/damage of any new asphalt/concrete
Concrete for exterior lighting	X			
Curb & gutter	X			
Concrete Forming and Reinforcing	X			
CIP Concrete	X			
Site Ramps and Stairs	X			
Concrete Cutting	X			
Modular building foundations	X			Concrete foundation design only by Modular Contractor - per soils report by district and modular PC drawings. Top of stem wall cannot be more than 1/8" out of plane, plumb and level (horizontal, vertical and square, diagonal) over the overall length and width of the foundation footprint.
Supervision	X			Supervision by site Contractor. AMS will not provide supervision nor sign off on work performed. AMS observation is a courtesy.
Observation requirements per DSA 1MR process		X		Per DSA 1MR process
Non-modular site foundations	X			
Foundation staking	X			Site contractor must maintain stakes
Mechanical & utility foundations	X			
Soils remediation	X			If required
Haul-off of all foundation/form spoils from site	X			If spoils cannot be utilized with site earthwork. To include modular building foundations.
All modular building footings & stem walls	X			Per PC foundation design for modular building.
Crawlspace slurry	X			
Install foundation vents and grates	X			Formed and poured after buildings craned and set and structurally connected.
Install foundation embeds for modular building	X			Set + 1/8" plane, plumb and level (horizontal, vertical and square, diagonal) over the overall length and width of the foundation footprint
Modular foundation - dig footings	X			
Provide/install lightweight concrete subfloors within building		X		Work completed in the factory.
Crawlspace drains	X			
DIVISION 04 - MASONRY -				
DIVISION 05 - METALS				
Building foundation flashings and weep screed		X		

VENTURA COLLEGE
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RESPONSIBILITY MATRIX for Permanent Modular Buildings
15-May-25

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR	DISTRICT/ OTHERS	COMMENTS
Supply modular buildingfoundation acces and vent grates/frames	X			Per DSA-approved drawings. Verify T.O. grate is at finish floor height. Can be purchased from AMS.
Supply modular building(s) foundation embed plates	X			Can be purchased from AMS.
Standing seam metal roofing		X		Per Modular Contractor drawings.
ADA site handrails	X			
ADA site guardrails	X			
Drinking fountain guardrails	X			
Provide/install gutters on modular buildings		X		Per Modular Contractor drawings. Connected to site drainage by GC. Location of downspouts per coordinated POC in drawings.
Drainage grates	X			
DIVISION 07 - THERMAL & MOISTURE PROTECTION				
Building damp proofing & waterproofing		X		Modular building only. Above grade conditions only.
Site Dampproofing & Waterproofing	X			
Weather Barriers		X		Per Modular Contractor drawings.
DIVISION 08 - OPENINGS				
Doors & frames		X		Per Modular Contractor drawings.
Windows & frames		X		Per Modular Contractor drawings.
Door hardware		X		No electronic door hardware. Master keying by others
Master keying			X	LFIC Corbin Russin Core and control key to be provided to District to be repinned.
Ceiling access panels		X		As required.
Glazing		X		
Louvers & vents		X		As required.
DIVISION 09 - FINISHES				
Tackable wall panels		X		Per Modular Contractor drawings.
FRP wall panels		X		Per Modular Contractor drawings.
5/8" Painted gyp board		X		Per Modular Contractor drawings.
Flooring and base		X		Per Modular Contractor drawings.
Floor waxing or sealer	X			
Ceramic tile		X		Per Modular Contractor drawings.
Ceramic tile sealer	X			
Ceilings		X		Per Modular Contractor drawings.
Interior wall finishes		X		Per Modular Contractor drawings.
Exterior Siding & Stucco		X		Per Modular Contractor drawings.
Overhang soffit		X		Per Modular Contractor drawings.
Door frames & doors		X		
Exterior caulking		X		
Interior window sils		X		
Paintings & coatings	X	X		Modular buildings only by Modular Company, Site paint General Contract
DIVISION 10 - SPECIALTIES				
Fire Extinguishers & Cabinets		X		
Building & site ADA signage	X			All required signage.
DIVISION 11 - EQUIPMENT				
Security equipment - If Applicable	X			
Appliances	X		X	If applicable
Educational equipment (smart TVs, WAPs, smartboards, etc.)	X		X	Blocking only by AMS as coordinated and provided by AOR.
DIVISION 12 - FURNISHINGS				
Casework, cabinets, & countertops		X		Per Modular Contractor drawings.
Furniture			X	
DIVISION 13 - Special Construction				
Engineering & DSA approval		X		In collaboration with project AOR. Modular building drawings to be provided to AOR for AOR DSA submittal.
Manufacture building		X		Per DSA approved drawings.

VENTURA COLLEGE
New Modular STEM Building

RESPONSIBILITY MATRIX for Permanent Modular Buildings
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ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR	DISTRICT/ OTHERS	COMMENTS
Transport cost from modular manufacturing plant to site		X		Special fees, permits, CHP escort, traffic control/coordination/fees, street closures (if required) are not included.
Traffic control	X			If required.
Offsite storage costs and permits			X	Travel permits, pilot cars from offsite storage to project site are at additional cost. Coordinated with Modular Company.
Storage fees associated with long-term storage of modular units at modular manufacturer's plant / property			X	Modules being stored at factory over 90 days are subject to monthly storage fees and building rewrap on T&M as required.
DSA fees			X	
In-plant inspection fees			X	
DIVISION 21 - FIRE SUPPRESSION - NOT APPLICABLE				
DIVISION 22 - PLUMBING				
Site/under building foundation area drains	X			For modular building only. Installed prior to foundation completion
Building Foundation and/or Site Drywells	X			
All Cleanouts below finished Floor and at POC	X			Modular Contractor responsible for cleanouts below finished floor if bringing site sewer line out beyond the foundation 2'.
Pressure testing of all UG lines	X			
Storm drain lines & catch basins	X			
Site sewer line - within 2' of new building	X			Connect to Modular Stub out per POC drawings.
Gas service - within 2' of new building				If applicable
Chemical resistant piping		X		One sink in Cadaver room only
Site water service - within 2' of new building	X			Connect to Modular Stub out per POC drawings.
Building Shut Off Valves (Water, Gas, FW, Etc.)	X			At or below grade conditions.
Site shut off valves (water, gas, FW, etc.)	X			As applicable
Shut off valves & pressure reducing valves in building & HVAC units		X		
Building water service within building		X		
Plumbing fixtures		X		Per Modular Contractor drawings.
Drinking fountain		X		Per Modular Contractor drawings.
Hose bibbs		X		Per Modular Contractor drawings.
Floor drains		X		Per Modular Contractor drawings.
Floor sinks		X		Per Modular Contractor drawings.
Final Connection and Chlorination - all lines	X			Including modular building.
Downspout cleanouts	X			Install after downspouts installed
Connect Downspouts to storm drain	X			Site GC to terminate downspouts and connect to storm drain.
Crawlspace waste manifold		X		Stub 2' past foundation stem wall. Waste Manifold to be ABS per POC.
10' on-site head test	X			If required, modular manufacturer to provide below floor flood testing only - per California plumbing code 712.2
In-plant head test		X		Per California plumbing code 712.2
Planting	X			
Site accessories & planters	X			
DIVISION 23 - HVAC				
HVAC piping & pumps within the building		X		Including mini-split system for IT room. Excludes any special exhaust or HVAC systems for Cadaver room, makeup air or makeup air calculations, etc.
HVAC supply & return ducts & grills		X		
HVAC air cleaning devices		X		Air filter provided at start-up
Tie condensate per POC	X	X		Per Modular Contractor POC drawing.
Gas service line through buildings & mechanical units		X		If applicable
Thermostats		X		AMS standard thermostat. Controls, gateway/integration to EMS system, if applicable, by others.
Exhaust Fan to Cadaver Tables	X			
Exhaust Fans (restrooms only)		X		Per Modular Contractor drawings.
EMS System	X			EMS interface / connection to thermostats/sensors/controls/ conductors, if applicable

VENTURA COLLEGE
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ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR	DISTRICT/ OTHERS	COMMENTS
EMS wiring, testing, labeling, devices, etc. to ensure EMS is compatible with new HVAC units	X			If applicable
Power for EMS		X		If applicable. Location to be provided by AOR.
EMS sensors/thermostats conductors	X			Connect to HVAC units, if applicable
Certified air balance testing/report	X			If required.
Backboxes/J-boxes within wall cavity		X		Stubbed 6" above T-bar only
Make-up air requirements / calculations			X	If required. To be provided/coordinated by AOR's mechanical engineer. Make-up air exhaust and coordination of such, if applicable, will be at additional cost.
DIVISION 26 - ELECTRICAL				
Site electrical service - to new building	X			Site GC to connect to modular building per POC drawing, including energizing modular building subpanels. Site GC responsible to review and perform to the Modular Contractor POC drawings.
Interior (with occupancy sensors) & exterior building LED light fixtures		X		Per Modular Contractor drawings.
Site light fixtures & foundations	X			Work specified in Electrical Drawings E100- E600.
Site UG trenching, backfill, & compaction	X			Work specified in Electrical Drawings E100- E600.
Main switchboards	X			Site GC to provide conductors, ground draw, and connections for main distribution panel grounding.
Conductors to meters	X			
Transformers & installation of transformers	X			
Conduit pathway and conductors to transformers and from transformers to MSB	X			
Distribution switchboards	X			Site GC to provide conductors, ground draw, and connections for main distribution panel grounding.
Energizing of new building & all site/building electrical components	X			Work specified in Electrical Drawings E100- E600.
Building electrical subpanels	X	X		Per Modular Contractor drawings - to be energized by Site GC.
Ground rods, testing, & reports	X			Work specified in Electrical Drawings E100- E600.
Power for Emergency lighting	X			Work specified in Electrical Drawings E100- E600.
Power for low voltage components	X			Work specified in Electrical Drawings E100- E600.
Power for low voltage components		X		Work specified in Modular Drawings.
Conductors from main switchboard to modular subpanels	X			Per POC drawings. Site GC to provide and install conductors, and terminate at both ends.
Electrical conduit from MSB to crawl space subpanel stub out	X			Per POC drawings
Circuit monitoring	X			
Panel ID/circuit ID labeling	X			Work specified in Electrical Drawings E100- E600.
Panel ID/circuit ID labeling		X		Within modular building only.
Cadaver Tables	X		X	Nominal 18” deep by nominal 18’ long Furred wall and Ducting for Cadaver Tables – AMS to provide furred wall with 6” diameter stainless steel ductwork to side wall exterior, through-wall Make up air duct and back draft damper/grille and power for exhaust fan by site contractor. Ground-mounted Exhaust Fan, Fan connections and controls, etc. will be by site contractor. HVAC for room will be standard and does not interconnect with table exhaust.
All building exterior lighting to EMS location	X			Stubbed above ceiling. Site contractor to connect and supply to EMS/lighting control panel if applicable.
EMS controls panel	X			If applicable
Interior light programming		X		Modular systems only - excludes programming/integration to campus network, if required.
Exterior light programming	X			Work specified in Electrical Drawings E100- E600.
Conduits connecting building wings	X			Work specified in Electrical Drawings E100- E600.
Lighting Control System		X		Per Modular Contractor drawings, if applicable.
Interior dimmable LED lights		X		Per Modular Contractor drawings.
Modular building Exterior LED lights	X			Work specified in Electrical Drawings E100- E600.
Modular building Exterior LED lights		X		Applicable to modular building only

RESPONSIBILITY MATRIX for Permanent Modular Buildings
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ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR	DISTRICT/ OTHERS	COMMENTS
Interior occupancy sensors/photo sensors		X		Per Modular Contractor drawings.
Wall mount clocks	X			
Floor receptacles		X		Per Modular Contractor drawings.
Water heater		X		Per Modular Contractor drawings.
Interior GFCI receptacles		X		Per Modular Contractor drawings. No exterior outlets
Site Power	X			
Panel ST	X			Work specified in Electrical Drawings E100- E600.
EF Disconnect	X			
All electrical within new building		X		Per layout provided by project AOR. See subsequent items in Division 21, 23, 26 and 27 for scope limitations. Excludes main distribution panels, switchboard, transformers as defined above.
DIVISION 27 - LOW VOLTAGE				
All/any necessary conduit sleeves between modular building and site built existing building.	X			
All new to existing low voltage tie-ins (to be coordinated through the school)	X			
Testing of all low voltage lines	X			
Training of district employees for all new devices & equipment	X	X		Training done by contractor providing equipment
Telephone system & devices at new building	X			
Network infrastructure	X			
Fiber optic network system	X			If applicable
Audio-video systems	X			
PA & phone system - install, equipment, cabling, testing, labeling, etc.	X			
Structured cabling	X			
Data communications	X			
Security wiring, cabling, devices, programming and integration.	X			
Cable trays (if applicable)	X			
Data/EMS system - install, equipment, cabling, testing, labeling, etc.	X			
All fire alarm communications & panels	X			If applicable
Fire alarm system - install, equipment, cabling, testing, labeling, etc.	X			If applicable
Low voltage backboxes/ J-boxes within wall cavity only		X		Stubbed 6" above T-bar ceiling only - per Modular Contractor drawings.
Fire alarm backboxes/J-boxes within wall cavity only		X		Stubbed 6" above T-bar ceiling only - per Modular Contractor drawings.
Conduit pathway to IDF room	X			
Conduit pathway/tie in to all low voltage panels/devices (FA, EMS, IDF, lighting controls.)	X			
IDF cabinets	X			Power and blocking only by Modular contractor. IDF cabinet supplied and installed by the Site Contractor.
Signal termination cabinets	X			
DIVISION 28 - ELECTRONIC SAFETY & SECURITY				
New building security system	X			
All new to existing security tie-ins (to be coordinated through the school)	X			
Testing of all security lines	X			
Security wiring, cabling, devices, programming and integration.	X			
Training of district employees for all new devices & equipment	X			
DIVISION 31 - EARTHWORK				
Site & building excavation, backfill, compaction, import, export, etc.	X			Site GC to do backfill and compaction along building perimeter as required.
Import/export fill to include engineered fill if applicable per soils report	X			
Rough grading (including building perimeter)	X			
Finish grading, including slopes to drain to drain within building pad area	X			

VENTURA COLLEGE
New Modular STEM Building

RESPONSIBILITY MATRIX for Permanent Modular Buildings
15-May-25

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR	DISTRICT/ OTHERS	COMMENTS
Surveying, staking (site & building footprint), etc.	X			Site Contractor must maintain building stakes/corner locations.
Finish grade, including slopes to drain (if applicable) within the building pad area, & re-grading after all removed form work.	X			
Excavate modular building foundation pads to +/- .1' for 18" crawl space height.	X			Excavate 5' minimum horizontally beyond building perimeter. Crawlspace grade per Modular Contractor drawings.
Crawl space drainage	X			
DIVISION 32 - ASPHALT CONCRETE PAVING				
Asphalt concrete paving & slurry seal (power wash prior to seal)	X			
Driveways, parking stalls & accessories, wheel stops, speed bumps, etc.	X			
Walkways	X			
Striping	X			
Gates & fencing - including footings, soil export, etc.	X			
Landscape planting	X			
Landscape irrigation systems	X			
OTHER(S)				
Restroom accessories (soap/paper towel dispenser, mirror, grab bars, etc.)	X	X		Modular Contractor to provide mirrors, grab bars and ADA TP dispensers only. All other restroom accessories by Site Contractor.
Site SWPPP & monitoring	X			
Temporary construction keys & cores		X		
Permanent building master keys & cores			X	
Provide unobstructed truck/crane routes & access to building foundation pads	X			Contractors to ensure no material, equipment, stockpiles, etc. is in the way on site.
Verify that all crane and truck routes are load-rated or adequately protected to prevent damage	X	X		
Establish building corners & surveying	X			All Site & Modular Contractors to Protect.
Markerboards		X		Per Modular Contractor drawings.
Dust control	X			
Utility POC coordination	X	X		Per Modular Contractor POC Drawings. Utility connections by Site Contractor.
Modular building delivery, craning, rigging, & erecting		X		Contractor to provide clear access both in and out for modular buildings and equipment.
Final cleaning / professional cleaning	X		X	