

VENTURA COLLEGE DIESEL SHOP

4667 TELEGRAPH ROAD
VENTURA, CALIFORNIA 93003

VENTURA COUNTY COMMUNITY COLLEGE DISTRICT

ABBREVIATIONS

&	AND
(E)	EXISTING
(N)	NEW
@	AT
ARCH	ARCHITECTURAL
CL	CENTER LINE
CLG	CEILING
CLR	CLEAR
DEMO	DEMOLITION
EQ	EQUAL
EQUIP	EQUIPMENT
EXIST	EXISTING
EXP	EXPANSION
EXT	EXTERIOR
F.D.	FLOOR DRAIN
F.E.	FIRE EXTINGUISHER
F.F.	FINISH FLOOR
F.G	FINISH GRADE
F.O.C.	FACE OF CONCRETE
F.R.	FIRE RATED, FIRE RESISTANT
F.S.	FINISHED SURFACE
FIN	FINISH
FLR	FLOOR
FR	FRAME
FT	FOOT OR FEET
GA	GAUGE
GALV	GALVANIZED
GEN	GENERAL
GYP	GYPNUM
H.M.	HOLLOW METAL
HDB	HARDBOARD
HDR	HEADER
HDW	HARDWARE
HI	HIGH
HT	HEIGHT
IN	INCHES
INFO	INFORMATION
INSUL	INSULATION
INT	INTERIOR
MAX	MAXIMUM
MIN	MINIMUM
N.T.S.	NOT TO SCALE
O.C.	ON CENTER
R.C.P.	REFLECTED CEILING PLAN
RM	ROOM
S.F.	SQUARE FEET
TYP	TYPICAL
U.N.O.	UNLESS NOTED OTHERWISE
V.I.F.	VERIFY IN FIELD
W.O.	WHERE OCCURS
W/	WITH

DRAWING INDEX

GENERAL	
G001	TITLE SHEET
G002 GENERAL & ACCESSIBILITY NOTES & CODE ANALYSIS	
ARCHITECTURAL	
A100	CAMPUS SITE PLAN
A101	SITE PLAN
A102	FLOOR PLAN - DEMOLITION
A103	FLOOR PLAN - NEW CONSTRUCTION
A501	DETAILS
STRUCTURAL	
S001	GENERAL NOTES & TYPICAL DETAILS
S103	KEY PLAN & STRUCTURAL DETAILS
ELECTRICAL	
E001	ELECTRICAL FRONT SHEET
E101	ELECTRICAL SPECIFICATIONS
E0201D	ELECTRICAL POWER PLAN - DEMOLITION
E201	ELECTRICAL POWER PLAN - NEW
E301	ELECTRICAL DETAILS
Grand total: 14	

SUMMARY OF SCOPE OF WORK

1. DEMOLISH AND DISPOSE OF FOUR EXISTING EXTERIOR AUTO LIFTS.
2. DEMOLISH AND DISPOSE OF EXISTING CONCRETE PAVING.
3. DEMOLISH AND DISPOSE OF EXISTING ASPHALT PAVING.
4. DISCONNECT AND PROTECT POWER FEEDS TO FOUR EXISTING AUTO LIFTS.
5. CONSTRUCT REINFORCED CONCRETE FOOTINGS AND CONCRETE PAVING.
6. PATCH AND SEAL ASPHALT PAVING AT PERIMETER OF CONCRETE.
7. INSTALL FIVE NEW AUTO LIFTS.
8. CONNECT TO FOUR EXISTING POWER SOURCES.
9. PROVIDE ONE NEW POWER SOURCE.

DESIGN TEAM

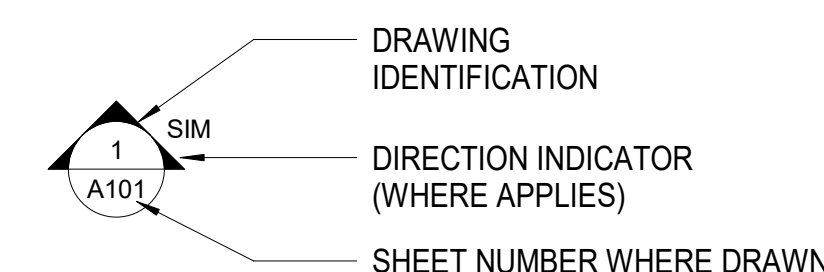
ARCHITECT
AMADÒR
amadór whittle architects, inc.
28328 AGOURA ROAD, SUITE 203
AGOURA HILLS, CA 91301
(805) 530-3938

STRUCTURAL ENGINEER
ORION STRUCTURAL GROUP, INC.
223 E. THOUSAND OAKS BLVD. #220
THOUSAND OAKS, CA 91360
(805) 390-9242

ELECTRICAL
BUDLONG & ASSOCIATES
1000 PASEO CAMARILLO, SUITE 140
CAMARILLO, CALIFORNIA 93010
(805) 987-4001

LEGEND

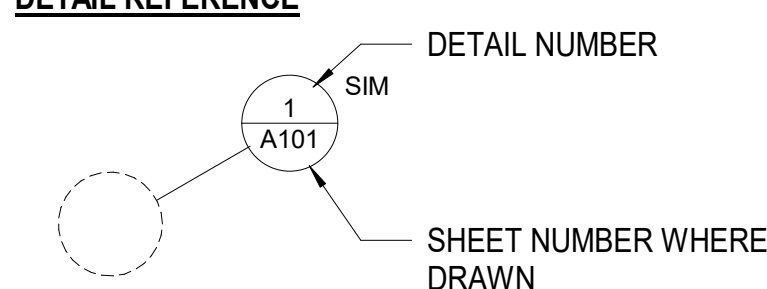
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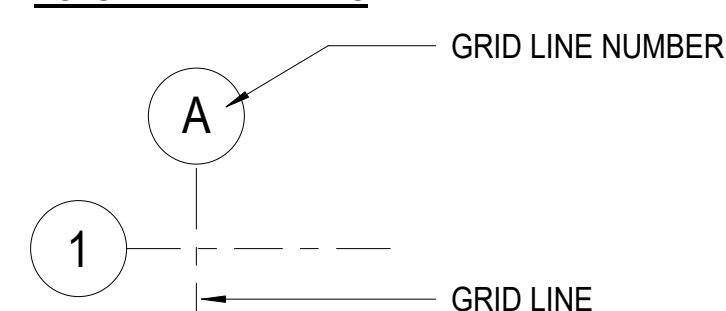
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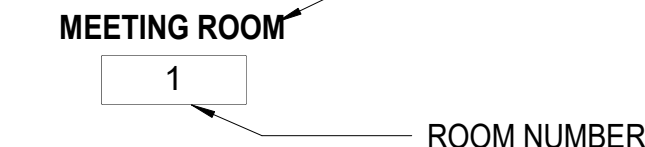
DETAIL REFERENCE



COLUMN CENTERLINES



MEETING ROOM



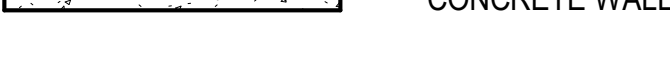
KEY NOTES



WOOD STUD AND GYPSUM BOARD WALL



CONCRETE WALL



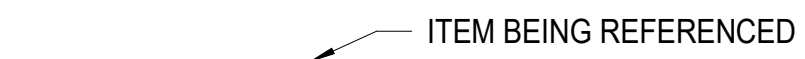
DOOR REFERENCE



WINDOW REFERENCE



ITEM BEING REFERENCED



DATUM ELEVATION



5'-0" DIAMETER CLEAR SPACE



30" X 48" CLEAR SPACE

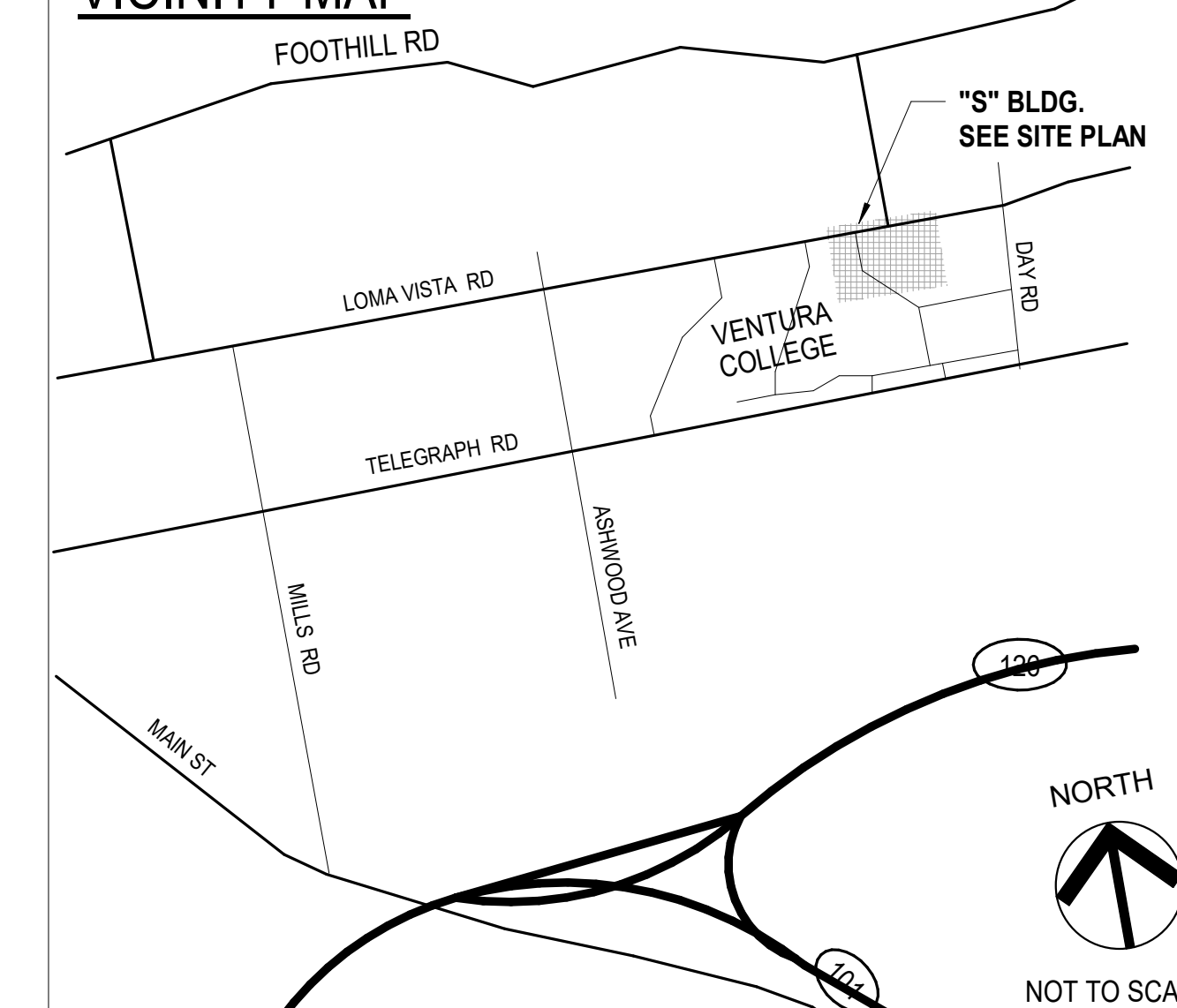


APPLICABLE CODES

LIST OF 2022 CALIFORNIA CODE OF REGULATIONS (C.C.R.): APPLICABLE CODES AS OF JANUARY 1, 2023

- | | |
|----------|---|
| PART 1- | 2022 CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE, TITLE 24 C.C.R. |
| PART 2- | 2022 CALIFORNIA BUILDING CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH CALIFORNIA AMENDMENTS) |
| PART 3- | 2022 CALIFORNIA ELECTRICAL CODE, TITLE 24 C.C.R. (2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS) |
| PART 4- | 2022 CALIFORNIA MECHANICAL CODE, TITLE 24 C.C.R. (2018 UNIFORM MECHANICAL CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO AND 2019 CALIFORNIA AMENDMENTS) |
| PART 5- | 2022 CALIFORNIA PLUMBING CODE, TITLE 24 C.C.R. (2018 UNIFORM PLUMBING CODE OF THE INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS, IAPMO) |
| PART 6- | 2022 CALIFORNIA ENERGY CODE, TITLE 24 C.C.R. |
| PART 7- | CURRENTLY VACANT |
| PART 8- | CURRENTLY VACANT |
| PART 9- | 2022 CALIFORNIA FIRE CODE, TITLE 24 C.C.R. (2018 INTERNATIONAL FIRE CODE OF THE INTERNATIONAL CODE COUNCIL) |
| PART 10- | 2022 CALIFORNIA EXISTING BUILDING CODE (2018 INTERNATIONAL EXISTING BUILDING CODE OF THE INTERNATIONAL CODE COUNCIL, WITH AMENDMENTS) |
| PART 11- | 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN CODE), TITLE 24 C.C.R. |
| PART 12- | 2022 CALIFORNIA REFERENCE STANDARDS CODE, TITLE 24 C.C.R. |

VICINITY MAP



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

PROJECT TITLE AND SCHOOL LOCATION

24-VCCCD-018- REPLACE AUTO LIFTS AT WAM
4667 TELEGRAPH RD. VENTURA, CA 93003

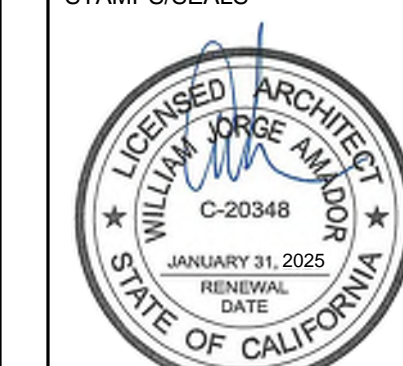
COMMISSIONED ARCHITECT

AMADÒR

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28328 AGOURA RD. 203 | AGOURA HILLS CA 91301 | 805-530-3938

CONSULTANT

STAMPS/SEALS



SHEET TITLE:

TITLE SHEET

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA

DRAWN: MC CHECKED: WJA

SHEET NUMBER:

G001

DATE: 08/09/2024 SHEET: OF

GENERAL NOTES

1. INTERPRETATION OF CONSTRUCTION DOCUMENTS
 - A. ALL INFORMATION DEPICTED IN THESE DRAWINGS AND RELATIVE TO EXISTING CONDITIONS IS BASED ON THE BEST AVAILABLE DATA AT THE TIME THESE CONSTRUCTION DOCUMENTS WERE BEING EXECUTED, BUT WITHOUT GUARANTEE OF ACCURACY. CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS AT JOB SITE AND SHALL REPORT ANY DISCREPANCIES TO ARCHITECT PRIOR TO COMMENCING ANY WORK.
 - B. THE CONTRACTOR IS RESPONSIBLE FOR ALL COSTS INCURRED RESULTING FROM THE REMOVAL OR REPLACEMENT OF WORK INSTALLED WITHOUT PROPER COORDINATION TO ALL OTHER TRADES, AND/OR PRIOR TO OBTAINING CLARIFICATION FROM THE ARCHITECT WHERE CONFLICTING INFORMATION EXISTS ON THE DRAWINGS.
 - C. THE CONTRACTOR SHALL FURNISH ALL BIDDERS WITH A COMPLETE SET OF CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO DRAWINGS, SPECIFICATIONS AND ADDENDUMS.
 - D. ALL BIDS AND LINE ITEM COSTS SUBMITTED BY THE CONTRACTOR IN CONJUNCTION WITH HIS SUBCONTRACTORS ARE CONSIDERED TO INCLUDE COMPLETE COORDINATION BETWEEN THE VARIOUS DISCIPLINES AS WELL AS ALL OTHER REQUIREMENTS OF THESE CONSTRUCTION DOCUMENTS, INCLUDING BUT NOT LIMITED TO CODE AND PUBLIC UTILITY REQUIREMENTS. FURTHER, WHERE THERE ARE CONFLICTING SOLUTIONS IN THE CONSTRUCTION DOCUMENTS AND BID OR LINE ITEM COSTS SUBMITTED BY THE CONTRACTOR WITHOUT ANY FORMAL WRITTEN REQUEST FOR CLARIFICATION PRIOR TO BID OPENING, ALL SUCH ITEMS WILL BE CONSIDERED TO INCLUDE THE MOST EXPENSIVE OF THE POSSIBLE SOLUTIONS DEPICTED IN THE CONSTRUCTION DOCUMENTS.
 - E. MODIFICATIONS OF DETAILS OF CONSTRUCTION SHALL NOT BE MADE WITHOUT WRITTEN APPROVAL OF THE ARCHITECT.
2. CONTRACTOR SHALL VISIT THE SITE TO INVESTIGATE AND VERIFY ALL DIMENSIONS AND EXISTING SITE CONDITIONS AT JOB SITE PRIOR TO START OF WORK.
3. ALL DIMENSIONS INDICATED ARE BELIEVED TO BE ACCURATE, BUT ARE NOT GUARANTEED TO BE SO. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND REPORT ANY DISCREPANCIES TO THE ARCHITECT. COORDINATE WITH EXISTING CONDITIONS WHERE INSUFFICIENT DETAIL DIMENSIONS ARE AVAILABLE. ALL DIMENSIONS ARE TO FINISHED FACE OF CONSTRUCTION OR CENTERLINE OF COLUMNS UNLESS NOTED OTHERWISE. DIMENSIONS NOTED AT "CLR" (CLEAR) ARE NOT ADJUSTABLE WITHOUT ARCHITECT'S APPROVAL.
4. DIMENSIONS SHOWN SHALL HAVE PREFERENCE OVER SCALE.
5. ALL ITEMS INCLUDING BUILDINGS SHOWN ARE EXISTING UNLESS NOTED AS NEW (N).
6. CONTRACTOR SHALL TAKE ALL PRECAUTIONARY MEASURES TO PROTECT EXISTING PIPELINES AND UTILITIES THAT ARE TO REMAIN IN SERVICE. CONTRACTOR SHALL VERIFY THAT THOSE PIPELINES AND UTILITIES TO BE REMOVED HAVE BEEN DISCONNECTED, SHUT DOWN OR ABANDONED PRIOR TO ATTEMPTING REMOVAL OR DEMOLITION IN A MANNER TO AVOID ANY DISRUPTION OF EXISTING FACILITIES.
7. CONTRACTOR SHALL PROTECT ALL SURFACES & FIXTURES TO REMAIN DURING DEMOLITION AND CONSTRUCTION.
8. ALL DAMAGE DONE TO EXISTING CONSTRUCTION AS A RESULT OF DEMOLITION OR INSTALLATION SHALL BE COMPLETELY REPAIRED BY CONTRACTOR AT OR NO COST TO OWNER. REPAIRED WORK SHALL MATCH EXISTING CONSTRUCTION.
9. CONTRACTOR SHALL REPAIR AND PATCH UP ALL DAMAGES TO EXISTING SURFACES CAUSED BY REMOVAL OF EXISTING EQUIPMENT ATTACHED TO EXISTING SURFACES. (CHALKBOARDS, BOOKSHELVES, TACKBOARDS, WALL HEATERS, PIPING, ETC.)
10. WHERE PATCHES ARE REQUIRED IN EXISTING, SURFACES ADJACENT MATERIAL SHALL BE MATCHED IN TEXTURE AND FINISH.
11. "DEMOLISH" AND "REMOVE" SHALL MEAN TO DEMOLISH, REMOVE FROM THE SITE AND DISPOSE OF IN A LEGAL MANNER UNLESS NOTED OTHERWISE. TERMINATE PIPING BELOW SUBSTRATE FOR PATCHING. ELECTRICAL WIRE DISCONNECT SHALL BE AT THE SOURCE OF POWER.
12. SALVAGED PRODUCTS SAVED FOR OWNER AS A RESULT OF DEMOLITION ACTIVITY AND/OR PRODUCTS STORED FOR USE IN CONSTRUCTION SHALL BE STORED IN A MANNER SUCH THAT NO MATERIALS ARE DAMAGED AND PUBLIC SAFETY IS MAINTAINED.
13. CONTRACTOR SHALL THOROUGHLY CLEAN AND SECURE THE AREA OF CONSTRUCTION AFTER EACH DAY OF WORK. CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CONSTRUCTION DEBRIS OFF SITE.
14. LOCATIONS OF STRUCTURES, UNDERGROUND PIPELINES AND UTILITIES WERE OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS AND ELEVATIONS OF ALL PIPELINES AND UTILITIES BEFORE COMMENCING DEMOLITION, EARTHWORK OR CONSTRUCTION WORK.
15. GENERAL CONTRACTOR SHALL VERIFY ALL SITE CONDITIONS PRIOR TO START OF CONSTRUCTION. ALL QUESTIONS SHALL BE SENT TO ARCHITECT.
16. ALL SALVAGEABLE MATERIALS AND EQUIPMENT TO BE REMOVED SHALL REMAIN THE SOLE PROPERTY OF THE OWNER. THE CONTRACTOR SHALL CONSULT WITH THE OWNER CONCERNING STORAGE AND/OR DISPOSAL OF SUCH EQUIPMENT. OWNER HAS FULL SALVAGE RIGHTS. ALL REMOVED MATERIALS OTHER THAN ITEMS TO BE SALVAGED, OR REUSED SHALL BECOME CONTRACTOR'S PROPERTY AND SHALL BE REMOVED FROM THE PROJECT SITE.
17. ALL WORK, INCLUDING REMOVAL OF EXISTING WORK, SHALL BE PERFORMED IN A MANNER THAT MINIMIZES THE AMOUNT OF NOISE, DUST, TRAFFIC AND/OR OTHER FORMS OF DISTURBANCES IN COMPLIANCE WITH ALL APPLICABLE CODES AND ORDINANCES SO THAT THE PUBLIC, STUDENTS AND STAFF, AS WELL AS OTHER OCCUPIED AREAS OF THE SCHOOL ARE SUBJECTED TO AS LITTLE DISRUPTION AS REASONABLY POSSIBLE.
18. ROUTES OF INGRESS AND EGRESS FOR MATERIALS AND WORKMEN, AND LIMITS OF THE PROJECT AREA WILL BE DESIGNATED BY THE OWNER. THE CONTRACTOR SHALL CONFINE HIS ACTIVITIES WITHIN SUCH LIMITS. THE CONTRACTOR SHALL INSTALL AND MAINTAIN ADEQUATE SAFETY AND DUST BARRIERS IN THE SITE, ACROSS CORRIDORS AND ELSEWHERE AS REQUIRED.
19. SHUT DOWN OF EXISTING AND OPERATING PLUMBING, MECHANICAL AND ELECTRICAL SYSTEMS OR PORTIONS THEREOF SHALL BE COORDINATED IN ADVANCE WITH THE OWNER.

GENERAL NOTES

20. CONTRACTOR SHALL COORDINATE ALL WORK SHOWN ON THE ARCHITECTURAL DRAWINGS WITH THE SPECIFICATIONS AND THE WORK SHOWN ON THE MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS. ANY DISCREPANCIES FOUND SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT IN WRITING BEFORE PROCEEDING WITH ANY RELATED WORK.
21. CONTRACTOR SHALL BE RESPONSIBLE FOR THE FIRE RATING CONTINUITY OF STRUCTURE, WALLS, FLOOR AND CEILINGS INTERRUPTED BY THE WORK OF ALL TRADES. THIS INCLUDES, BUT IS NOT LIMITED TO, FIRE RATED ENCLOSURES AT THE CEILING AND WALLS OF CORRIDORS AND STORAGE ROOMS, DUCT SHAFTS.
22. PROVIDE ALL NECESSARY BLOCKING, BACKING AND FRAMING FOR LIGHT FIXTURES, ELECTRICAL UNITS, A/C EQUIPMENT, TOILET FIXTURES & ACCESSORIES, RAILINGS, GRAB BARS, AND ALL OTHERS REQUIRING SAME.
23. CEILING HEIGHT DIMENSIONS ARE FROM FINISH FLOOR TO FINISH FACE OF CEILING.
24. WHERE NEW WALLS ALIGNS WITH EXISTING WALL, PROVIDE SMOOTH INVISIBLE TRANSITION BETWEEN NEW AND EXISTING.
25. NEW GYPSUM BOARD FINISH SHALL BE 5/8" TYPE 'X' OR AS REQUIRED FOR UL FIRE-RATING AS INDICATED ON DRAWINGS.
26. GENERAL CONTRACTOR SHALL PROVIDE TEMPORARY EIGHT (8) FEET HIGH CHAIN LINK FENCE BARRICADES AT WORK AREAS, DISTRICT APPROVED STORAGE AREAS AND WHEREVER NECESSARY TO MAINTAIN A SAFE PASSAGE AND SAFE ENVIRONMENT.
27. BEFORE PROCEEDING WITH THE CORING OR CUTTING OF WALLS AND FLOORS, ETC., THE CONTRACTOR SHALL PREPARE LAYOUT OF CUTTING OR CORING AND SHALL HAVE THE APPROVAL BY THE STRUCTURAL ENGINEER IN ORDER TO PROCEED WITH THE CUTTING OR CORING.
28. A) SLABS ON EARTH, SIDEWALKS AND CURBS: 3,000 PSI AT 28 DAYS
29. B) FOUNDATIONS: 3,000 PSI AT 28 DAYS
30. THE CONTRACTOR SHALL NOT COMMENCE THE WORK, IN PART OR IN FULL, PRIOR TO OBTAINING THE NOTICE-TO-PROCEED (NTP) FROM VCCCD.
31. IN CASE OF CONFLICT, THE MORE EXPENSIVE CONSTRUCTION MEANS AND METHOD SHALL BE USED.
32. THE PROVISIONS OF OFC CHAPTER 14 AND CBC CHAPTER 33 SHALL BE ENFORCED ON THIS PROJECT.



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

PROJECT TITLE AND SCHOOL LOCATION

24-VCCCD-018- REPLACE AUTO LIFTS AT WAM
 4667 TELEGRAPH RD. VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADÒR

25328 AGOURA RD. 203 | AGOURA HILLS CA, 91001 | 800-530-3638

CONSULTANT

STAMPS/SEALS



SHEET TITLE:

GENERAL & ACCESSIBILITY NOTES & CODE ANALYSIS

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
 DRAWN BY: MC CHECKED BY: WJA

G002

DATE: 08/09/2024 SHEET: ___ OF ___



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 761 EAST DAILY DRIVE
 CAMARILLO, CALIFORNIA 93010
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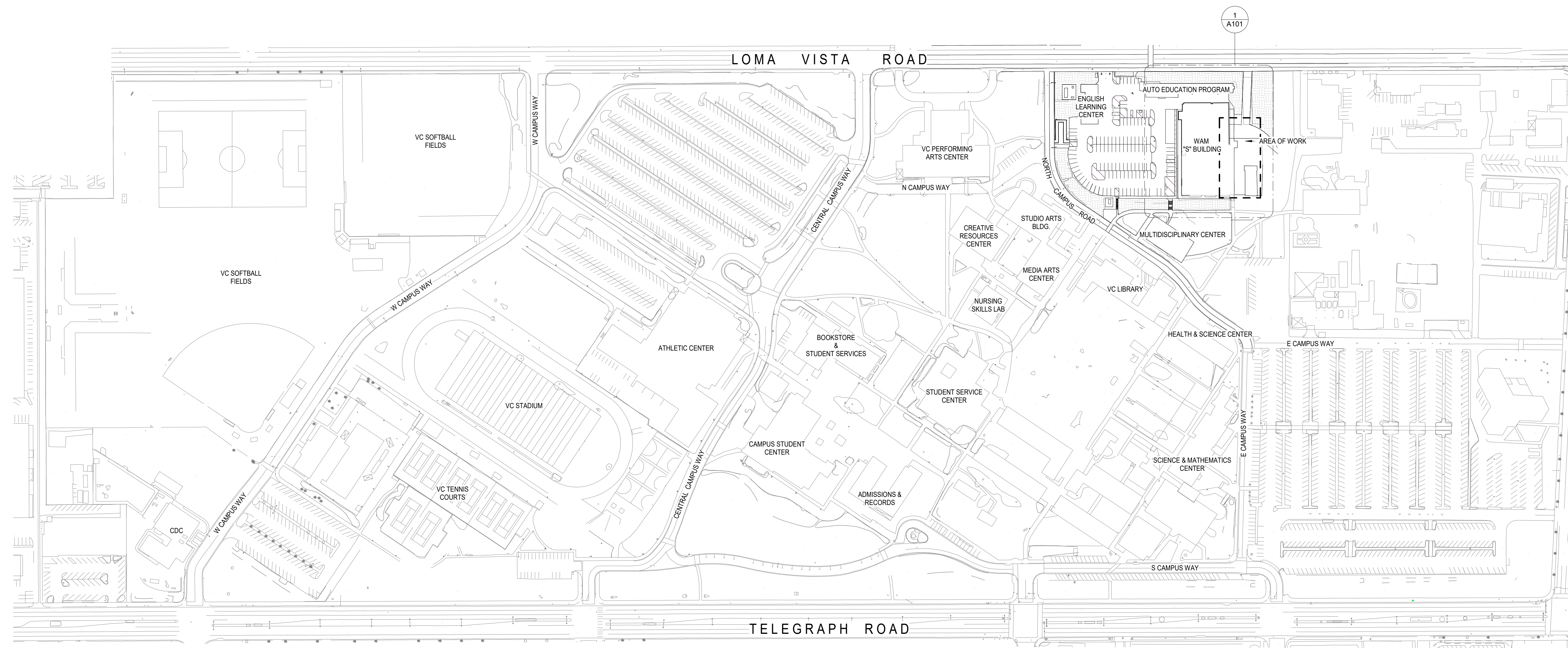
COMMISSIONED ARCHITECT

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CONSULTANT

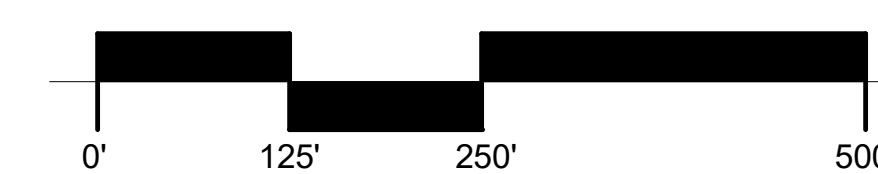
STAMPS/SEALS



CAMPUS SITE PLAN 1" = 125'-0" 1

LEGEND

	<u>AB</u>	<u>CERTIFICATE STATUS</u>		
ADM- ADMINISTRATION	A#15677; 27140	-	TR12-15- TRAILER CLASSROOMS	A#03-110740
AEC- ATHLETIC EVENT CENTER	A#11580	-	TR 16- NURSING SKILLS LAB	A#03-110740
AEP- AUTO EDUCATION PROGRAM	A-14624; A-21069; A-28512	APPROVED 06/11/1956; 03/09/1961	VCS- VENTURA COLLEGE SPORTSPLEX	-
ASC- APPLIED SCIENCE CENTER	A#114511	-	VCPD- VENTURA COLLEGE CAMPUS POLICE	-
BCS- BOOKSTORE & CAMPUS SERVICES	-	-	WEC- WRIGHT EVENT CENTER	-
BLDG S BUILDING S (WAM)	A#11482; 03-110238;	APPROVED 01/15/1954		
C- KINESIOLOGY	-	-		
CDC- CHILD DEVELOPMENT CENTER	A#53955	-		
CRC- CREATIVE RESOURCES CENTER	A#23750	-		
CSC- CAMPUS STUDENT CENTER	A#10764; 26943	-		
DRC- DAY ROAD CENTER	-	-		
ECT- ENVIRONMENTAL/CONSTRUCTION TECHNOLOGY	-	-		
ELC- ENGLISH LEARNING CENTER (FORMALLY KNOWN AS DATA PROCESSING UNIT D-P)	A# 26592; 23724;	APPROVED 08/04/1965		
EOP- EOPS	A#39845	-		
GH- GUTHRIE HALL	A#51118	-		
HSC- HEALTH SCIENCE CENTER	-	-		
HH- HEAD HOUSE	-	-		
LRC- LEARNING RESOURCE CENTER	A#104598, 104498	-		
M- CERAMICS & SCULPTURE	-	-		
MAC- MEDIA ARTS CENTER	A#27982; 36633	-		
M&O- MAINTENANCE & OPERATIONS	-	-		
MCE- MULTIDISCIPLINARY CENTER EAST	-	-		
MCW- MULTIDISCIPLINARY CENTER WEST	-	-		
NMG- NEW MEDIA GALLERY	-	-		
PAC- PERFORMING ARTS CENTER	A#23750; 44935; 45630	-		
SAB- STUDIO ARTS BUILDING	A#11482	-		
SC- SCIENCES & MATHEMATICS	A#60113	-		
SSC- STUDENT SERVICES CENTER	A#10623	-		
S&R- SHIPPING & RECEIVING/WAREHOUSE	-	-		
TR 4- CLASSROOM	-	-		



SHEET TITLE:

CAMPUS SITE PLAN

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA

DRAWN: MC CHECKED: Checker

SHEET NUMBER:

A100

DATE: 08/09/2024 SHEET: OF



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PROJECT TITLE AND SCHOOL LOCATION

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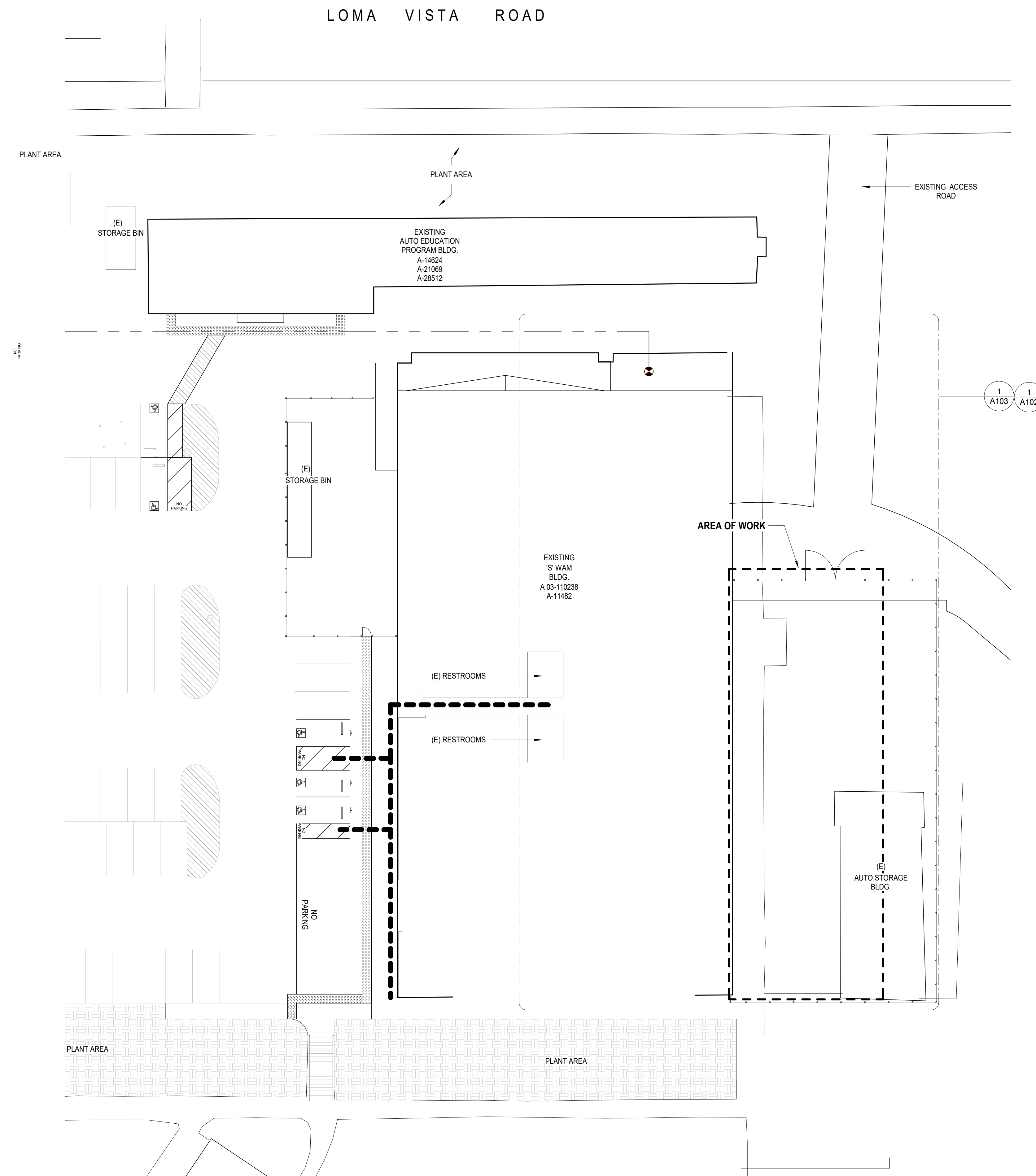
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CONSULTANT

STAMPS/SEALS



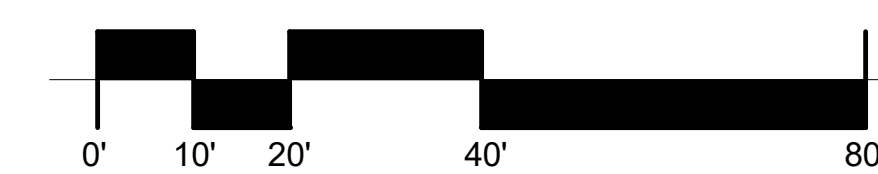
SITE PLAN 1" = 20'-0" 1

PARKING COUNT

	PROVIDED	REQUIRED
ACCESSIBLE PARKING STALL	04	04
ACCESSIBLE VAN PARKING STALL	04	01
PARKING STALL	100	
TOTAL PARKING STALLS	108	

LEGEND

- ACCESSIBLE PATH OF TRAVEL
- AREA OF WORK
- (E) PIPING LOCATION
- (E) LIGHT POLES
- (E) FENCE



07-25-23 ADDENDUM 1

SHEET TITLE:

SITE PLAN

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
 DRAWN: MC CHECKED: WJA

A101

DATE: 08/09/2024 SHEET: OF



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

**24-VCCCD-018- REPLACE
AUTO LIFTS AT WAM**
4667 TELEGRAPH RD. VENTURA, CA
93003

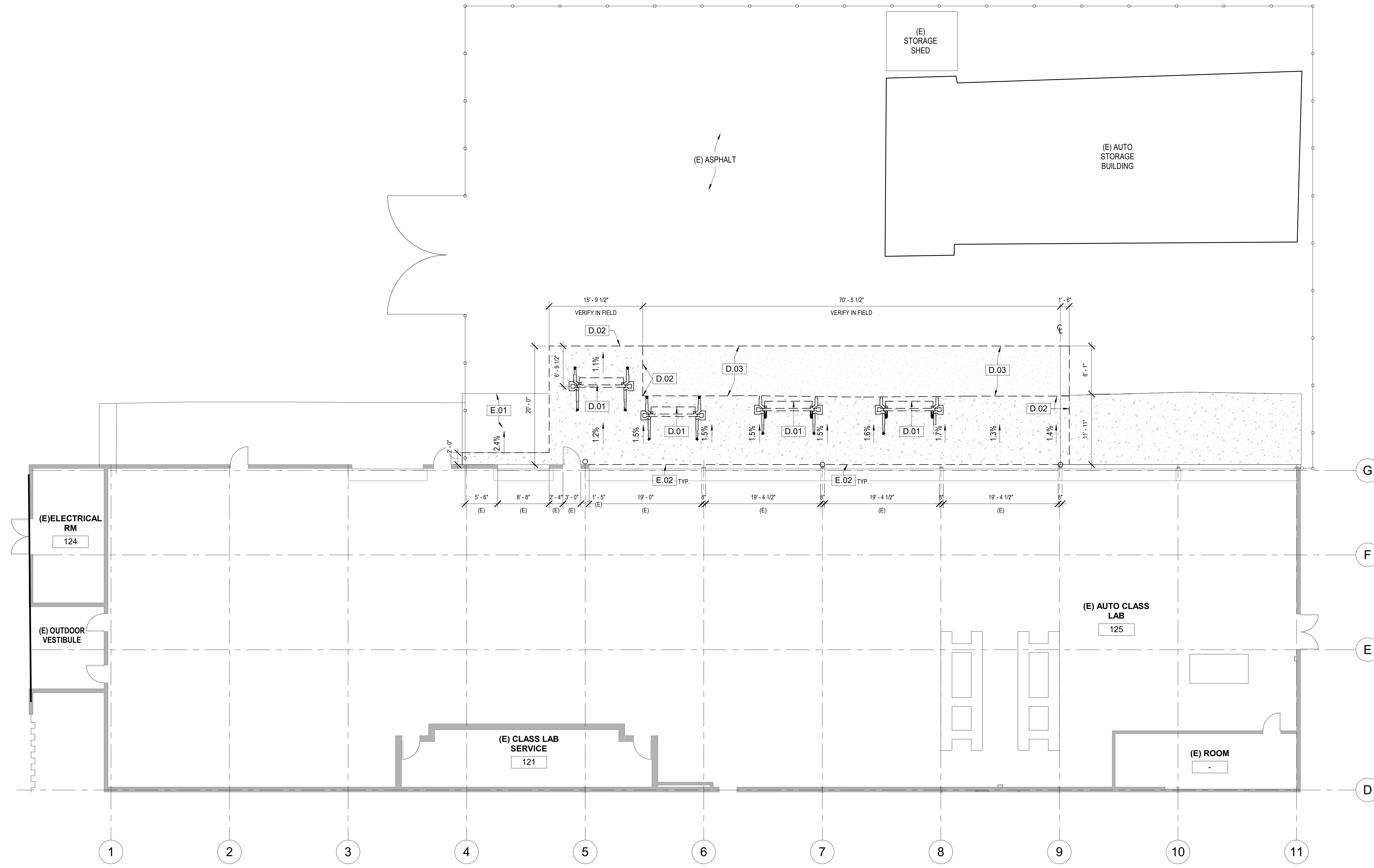
COMMISSIONED ARCHITECT

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CONSULTANT

STAMPS/SEALS



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

GENERAL NOTES

- ALL ITEMS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED AS NEW.
- DEMOLISH EXISTING POWER CONNECTIONS TO LIFTS AND PREPARE FOR CONNECTION TO NEW LIFTS AS INDICATED ON ELECTRICAL DRAWINGS.

EXISTING KEYNOTES [E#]

- E.01 (E) CONCRETE PAVING TO REMAIN
- E.02 PROTECT EDGE OF (E) CONCRETE BUILDING SLAB

DEMOLITION KEYNOTES [D#]

- D.01 DEMOLISH (E) AUTOLIFTS
- D.02 SAWCUT PERIMETER AND DEMOLISH (E) REINFORCED CONCRETE.
- D.03 SAWCUT PERIMETER AND DEMOLISH (E) 4" ASPHALT PAVING.

LEGEND

- DEMO - - - - -
- (E) FENCE - - - - -
- (E) CONCRETE [Pattern]
- (E) ASPHALT [Pattern]

WALL LEGEND

- EXISTING [Pattern]



SHEET TITLE:

FLOOR PLAN -
DEMOLITION

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
DRAWN: MC CHECKED: WJA

SHEET NUMBER:

A102

DATE: 08/09/2024 SHEET: OF



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PROJECT TITLE AND SCHOOL LOCATION

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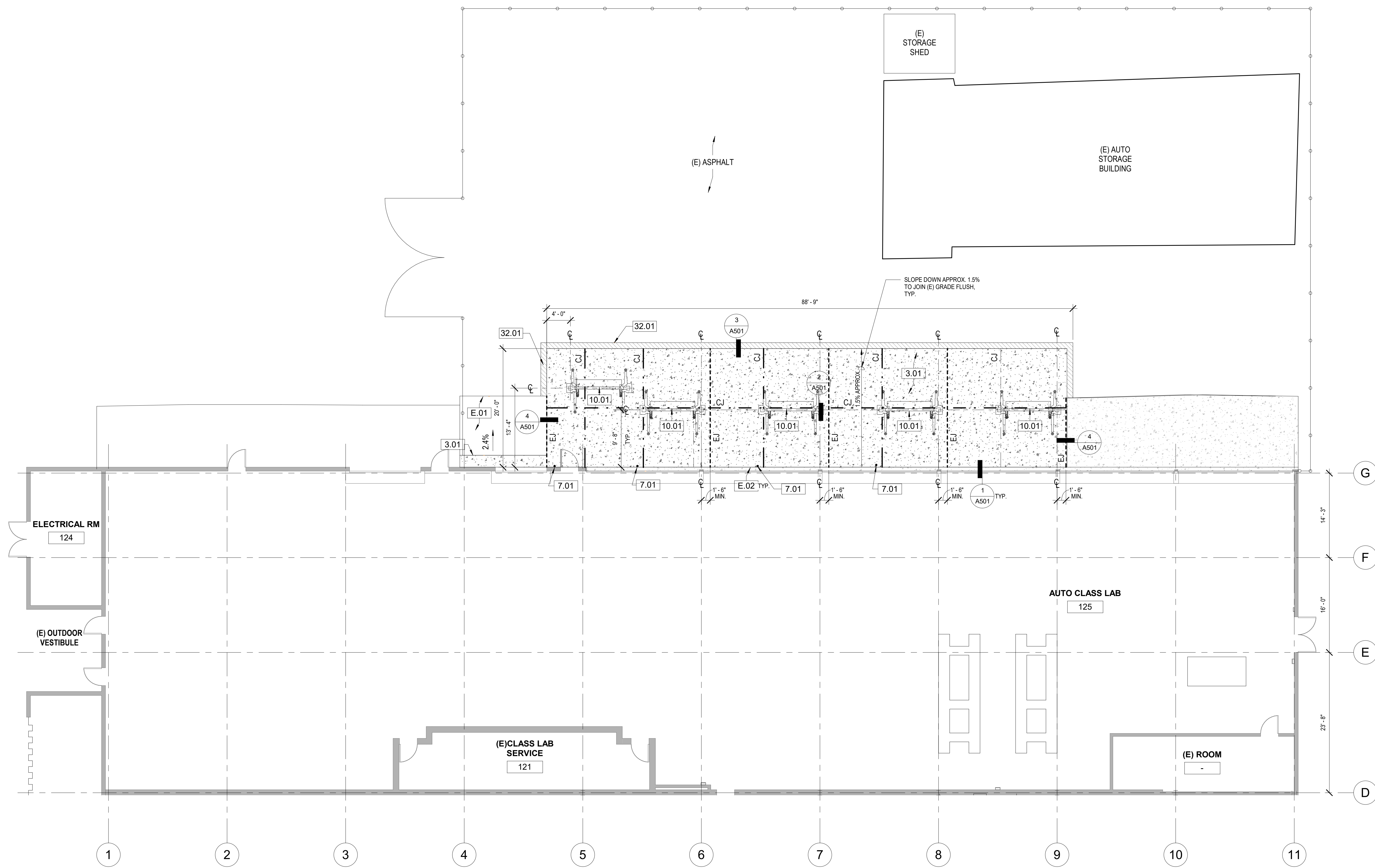
COMMISSIONED ARCHITECT

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CONSULTANT

STAMPS/SEALS



FLOOR PLAN - NEW CONSTRUCTION 1/8" = 1'-0" 1

GENERAL NOTES

- ALL ITEMS SHOWN ARE EXISTING UNLESS OTHERWISE NOTED AS NEW.
- SEE STRUCTURAL FOR AUTO LIFT FOOTINGS.
- SEE ELECTRICAL DRAWINGS FOR POWER CONNECTIONS.

EXISTING KEYNOTES E#

- E.01 (E) CONCRETE PAVING TO REMAIN
- E.02 PROTECT EDGE OF (E) CONCRETE BUILDING SLAB

KEYNOTES #

- 3.01 (N) 5" CONCRETE PAVING, WITH #4 REBAR AT 16" O.C. EACH WAY.
- 7.01 (N) PROVIDE GALVANIZED PLUG WHERE CONDUIT IS REMOVED, SEAL AND PAINT TO MATCH EXISTING WINDOW FRAMES.
- 10.01 (N) AUTO LIFT. 10AP BENDPAK TWO POST LIFT. RECONNECT TO (E) POWER SOURCE EXCEPT NEW POWER SOURCE FOR SOUTH LIFT.
- 32.01 PATCH AND SEAL COAT EDGE OF ASPHALT TO CONCRETE, JOIN FLUSH.

LEGEND

- (E) FENCE
- (E) CONCRETE
- (N) CONCRETE
- EXPANSION JOINT EJ
- CONTROL JOINT CJ

WALL LEGEND

EXISTING



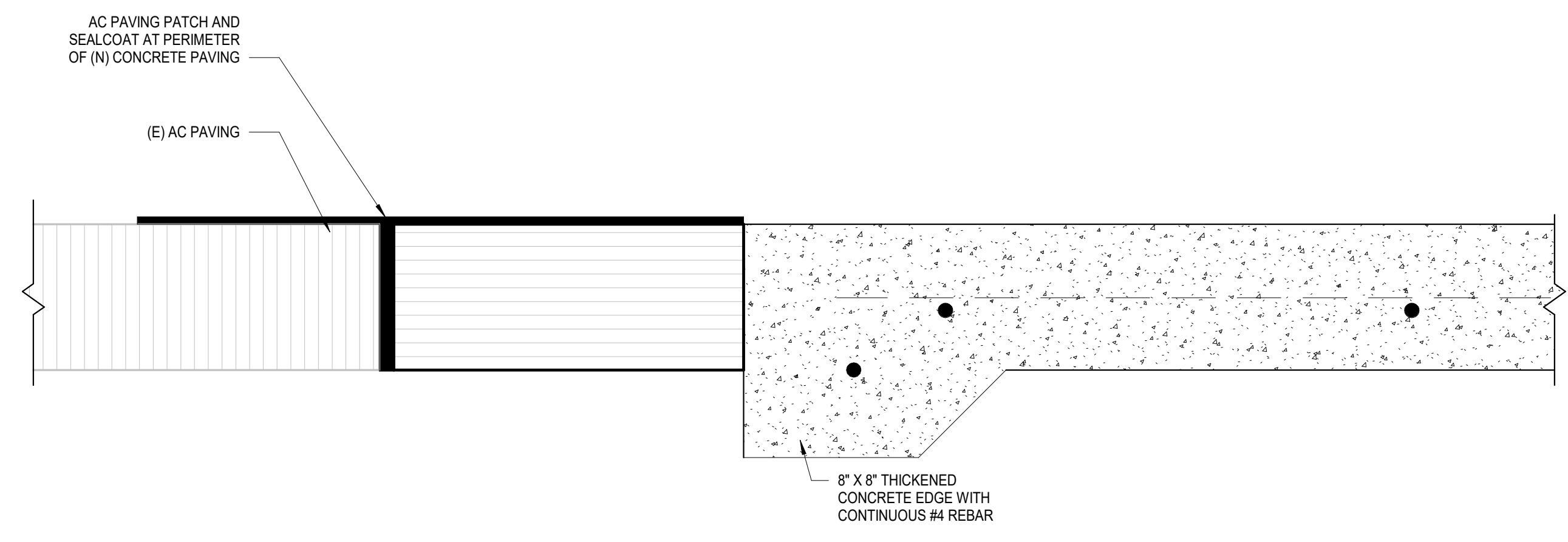
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FLOOR PLAN - NEW CONSTRUCTION

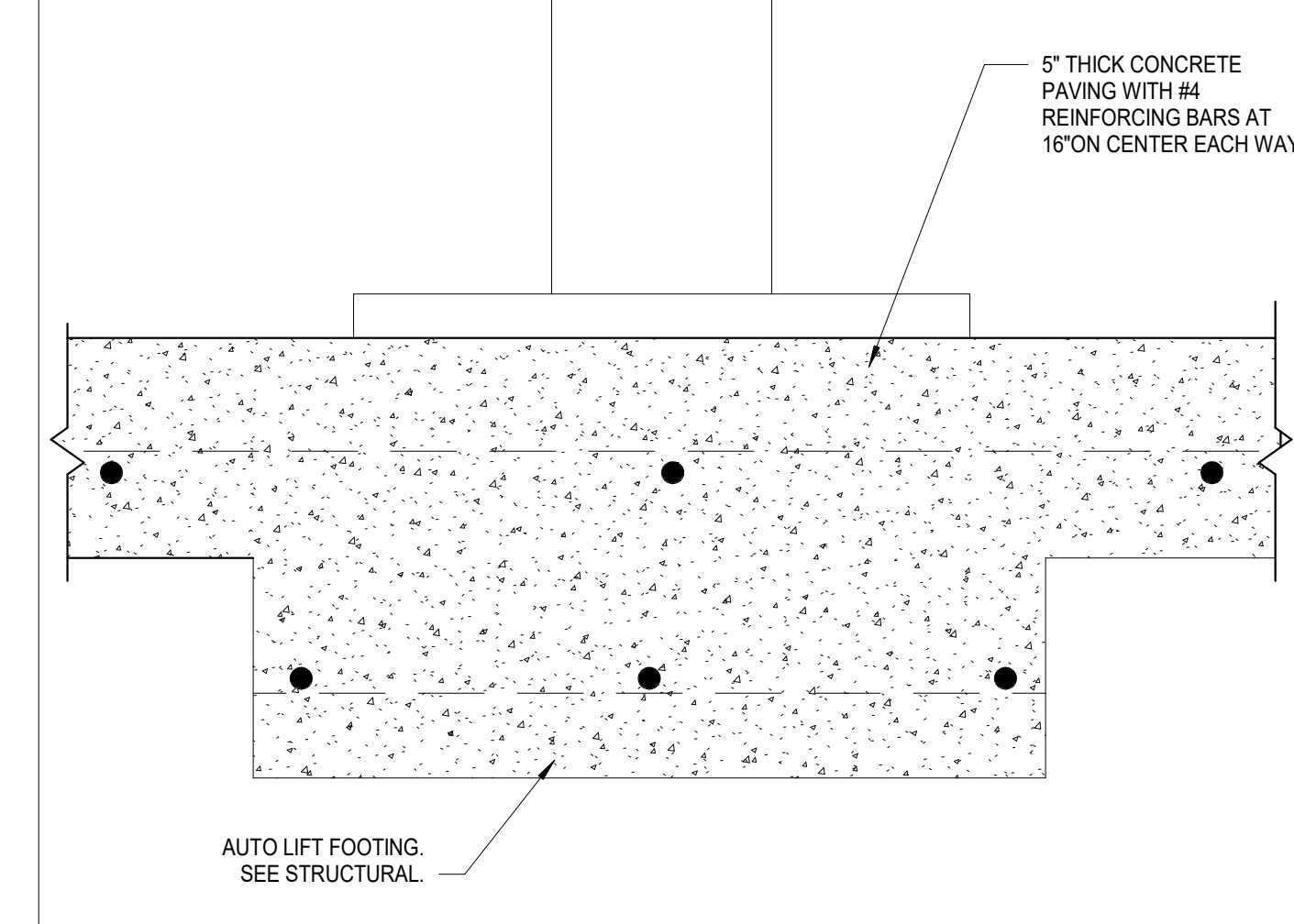
PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
 DRAWN: MC CHECKED: WJA

A103

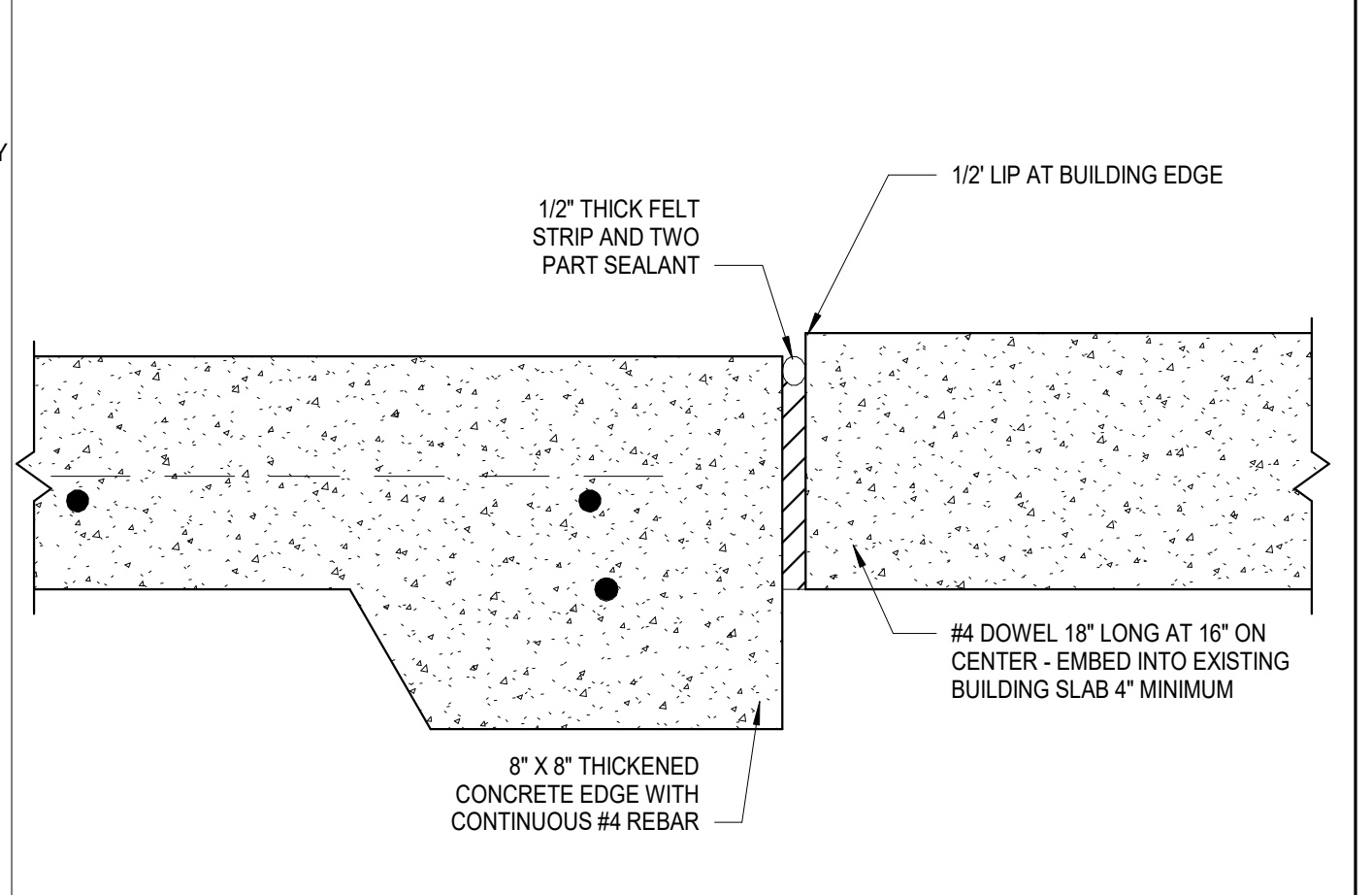
DATE: 08/09/2024 SHEET: OF



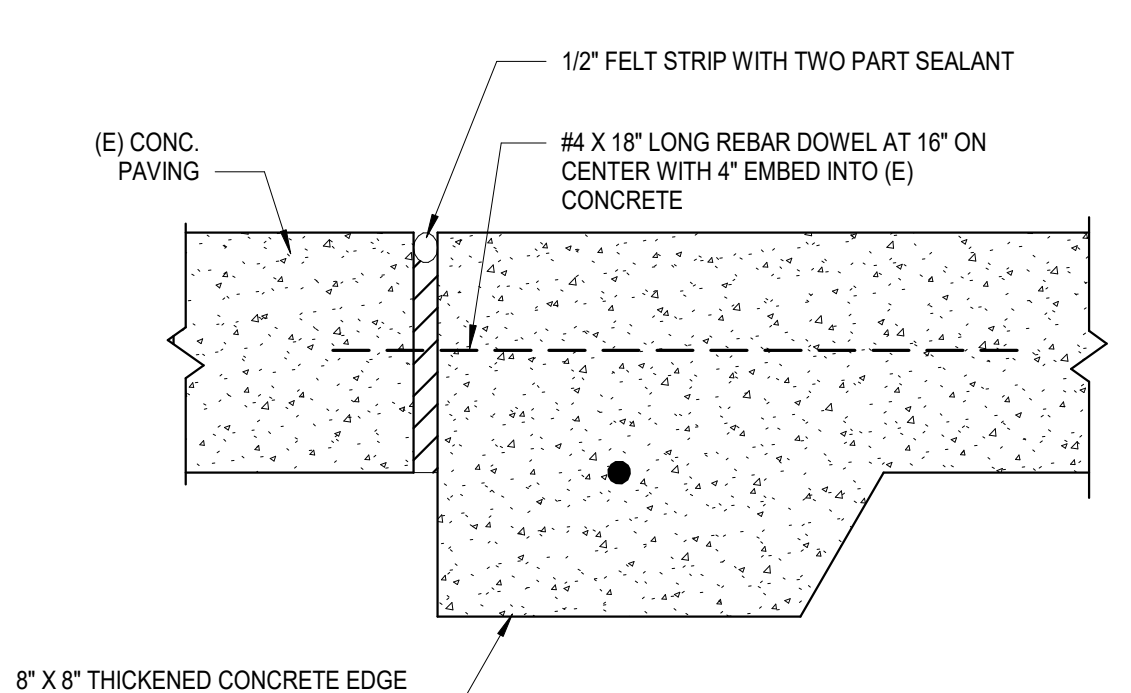
CONC. PAVING TO AC 3" = 1'-0" 3



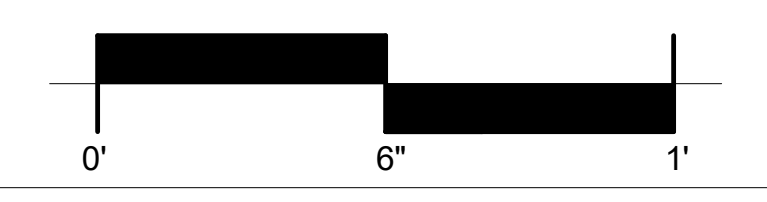
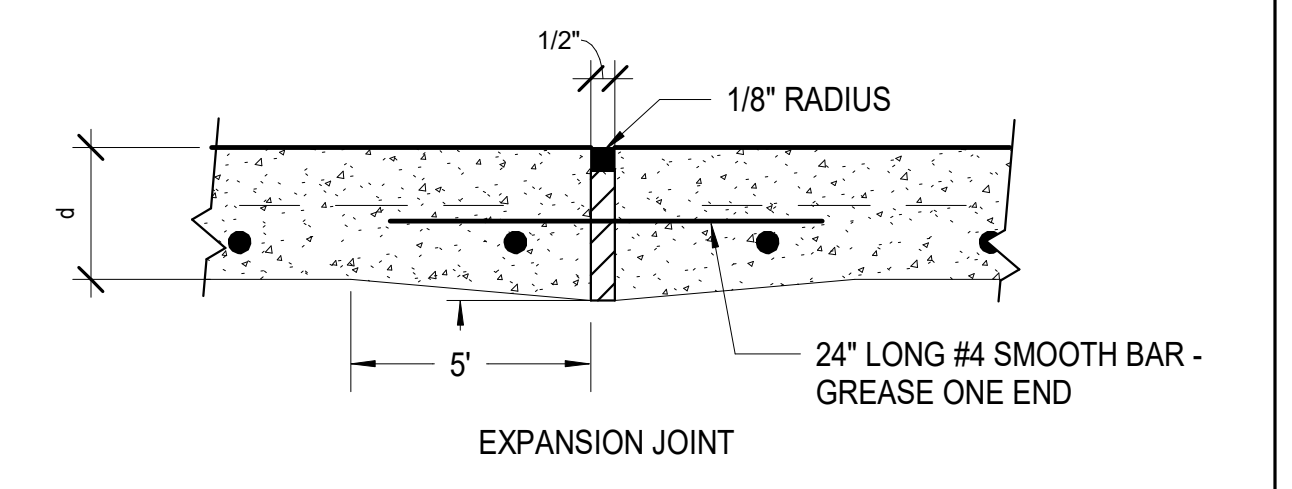
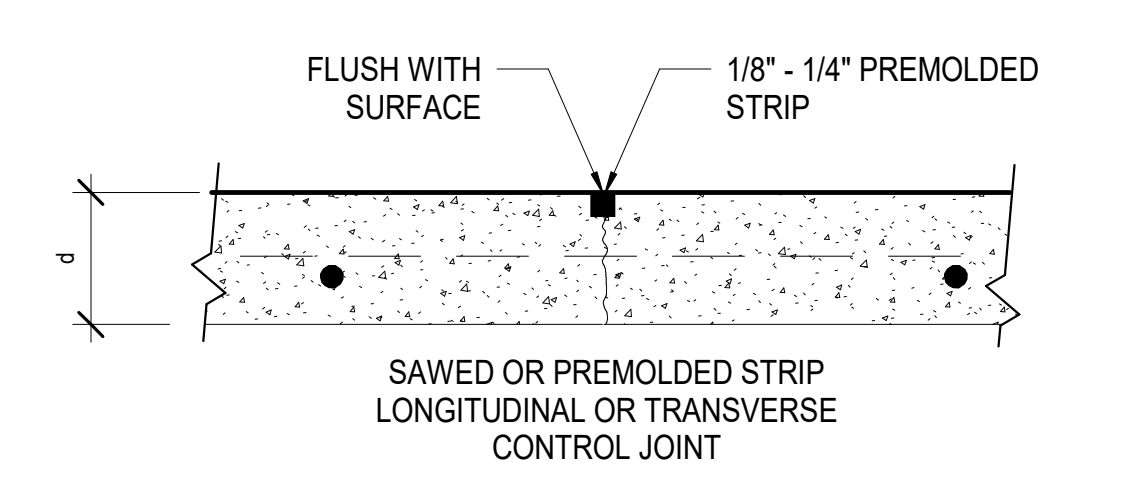
AUTO LIFT FOOTING 3" = 1'-0" 2



CONCRETE PAVING TO BLDG. 3" = 1'-0" 1



CONC. PAVING TO (E) CONC. PAVING 3" = 1'-0" 4

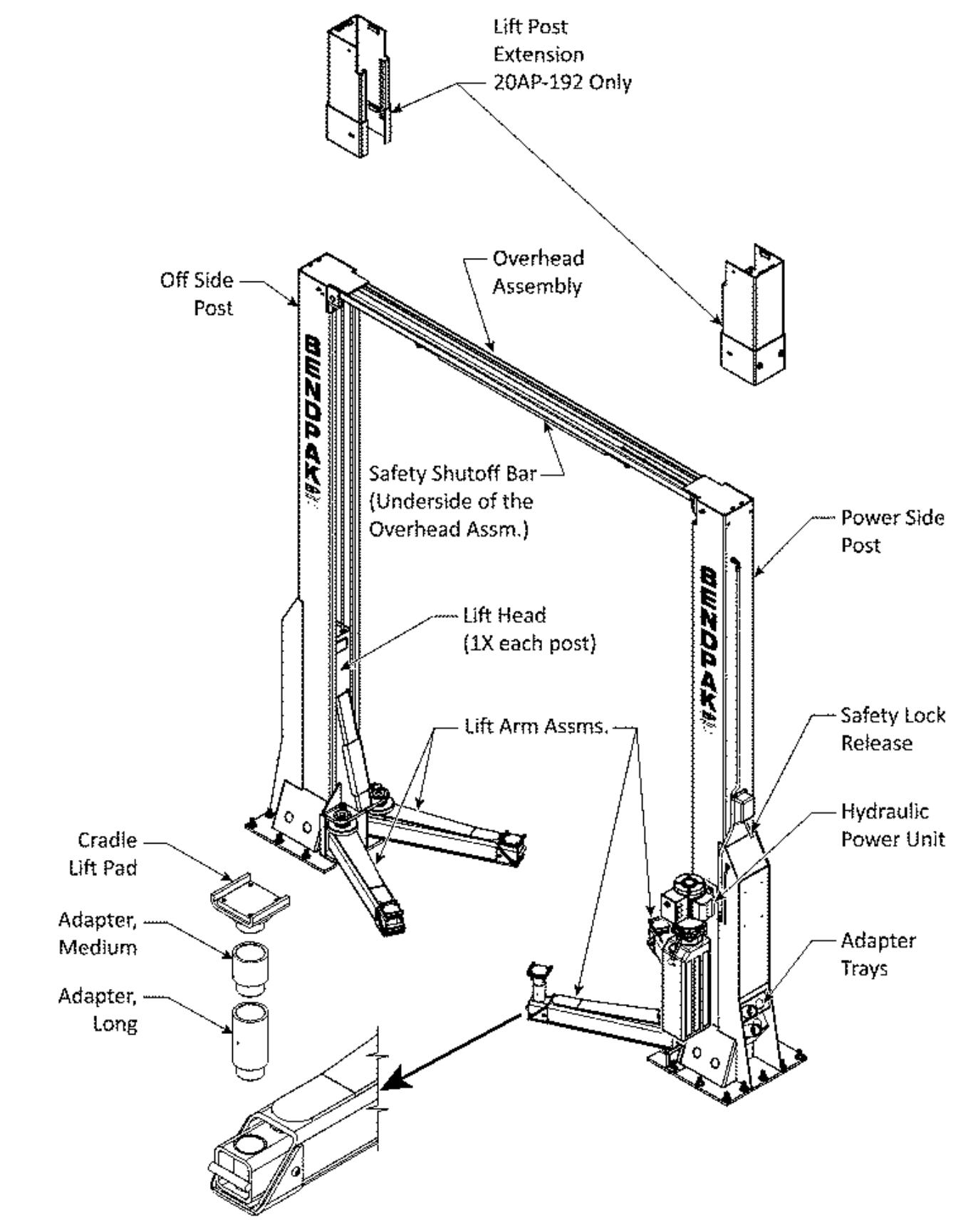


AUTO LIFT INFO 3" = 1'-0" 6

CONCRETE JOINT DETAILS 3" = 1'-0" 5

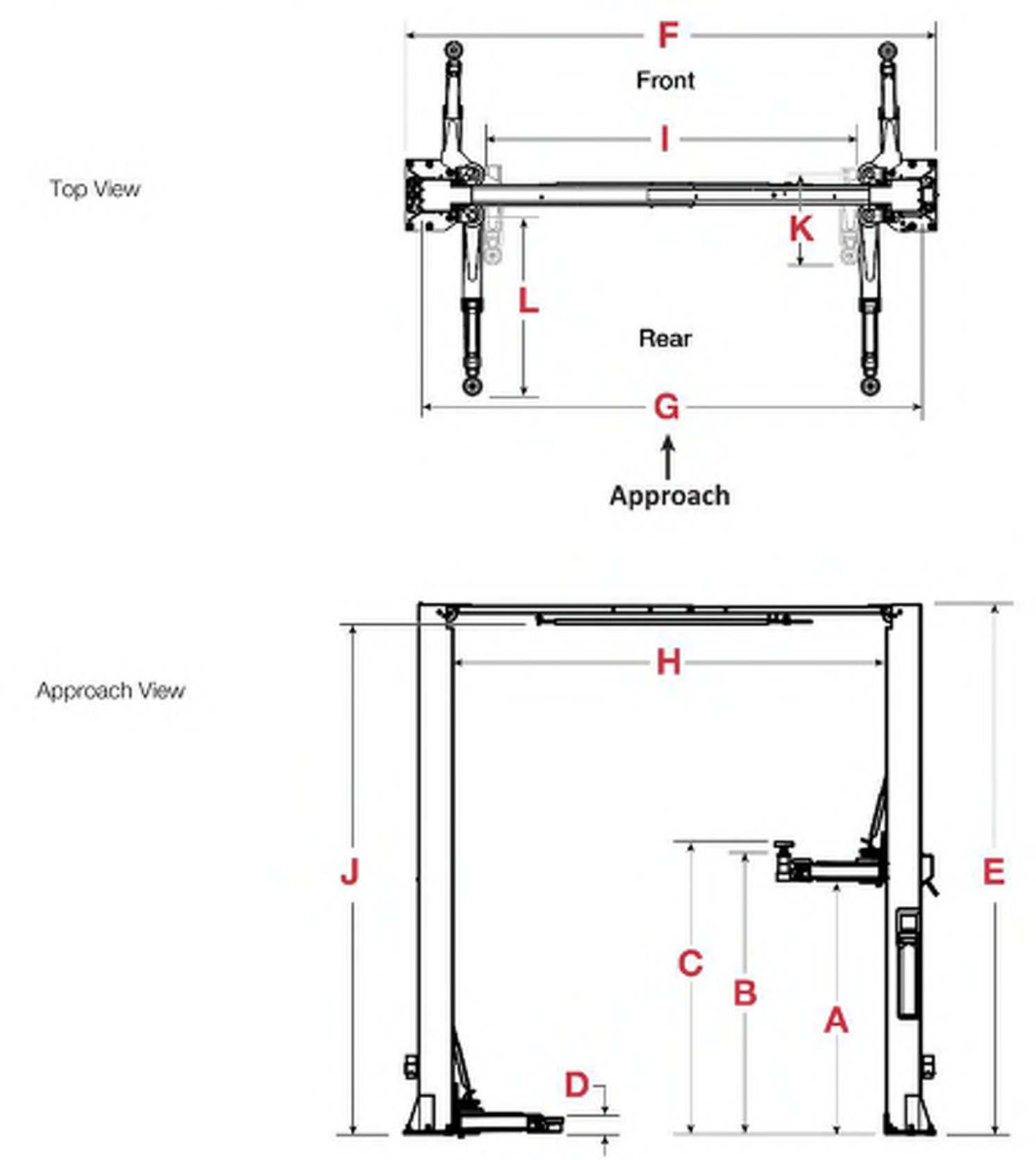
Components

Not all components shown. Models with extensions are taller. Reference only – do not scale.



10AP Series Two-Post Lifts 8 P/N 5900265 – Rev. A10 – September 2023

Specifications



Reference only – do not scale. Shown with Optional Accessories.

10AP Series Two-Post Lifts 9 P/N 5900265 – Rev. A10 – September 2023

Model	10AP	10AP-100	10APL	10APL-101
Lifting Capacity	10,000 lbs. / 4,536 kg			
Max. Capacity – Front Axle	5,000 lbs. / 2,268 kg			
Max. Capacity – Rear Axle	5,000 lbs. / 2,268 kg			
A – Max. Rise	69 in. / 1,753 mm			
B – Lifting Height w/ Pad*	73 in. / 1,854 mm			
C – Max. Lifting Height*	82.5 in. / 2,095 mm			
D – Min. Height w/ Pad		4 in. / 102 mm		
E – Overall Height	145 in. / 3,683 mm	166 in. / 4,217 mm	167 in. / 4,243 mm	161 in. / 4,087 mm
F – Width Overall (Narrow)	135 in. / 3,431 mm			
F – Width Overall (Wide)	145 in. / 3,683 mm			
G – Outside Posts (Narrow)	127.5 in. / 3,238 mm			
G – Outside Posts (Wide)	137.5 in. / 3,492 mm			
H – Inside Posts (Narrow)	108.5 in. / 2,756 mm			
H – Inside Posts (Wide)	118.5 in. / 3,010 mm			
I – Drive-Thru Width (Narrow)	92 in. / 2,338 mm			
I – Drive-Thru Width (Wide)	102 in. / 2,592 mm			
J – Floor to Top Switch	139.5 in. / 3,540 mm	166 in. / 4,217 mm	167 in. / 4,243 mm	161 in. / 4,087 mm
K – Front Arm Reach (min)	24.5 in. / 622 mm			
K – Front Arm Reach (max)	50 in. / 1,270 mm			
L – Rear Arm Reach (min)	32 in. / 812 mm			
L – Rear Arm Reach (max)	59.25 in. / 1,504 mm			
Max. load per Lift Arm	2,500 lbs. / 1,134 kg			
Screw Pad Adjustment	2 in. / 51 mm			
Time to Full Rise	≈ 45 seconds			
Motor#	220 VAC, 60 Hz, 1 Phase			
Sound	<70 dB			

Lifting Height w/Pad is maximum lifting height with Pads adjusted to the lowest setting and no adapter(s). Maximum Lifting Height is maximum lifting height with Pads adjusted to high setting and with both tall and medium Adapters (optional equipment) installed.
 #Special voltages available upon request.
 *Lift Arms measured from the pivot center to the end of the Lift Arm.
Specifications subject to change without notice.

10AP Series Two-Post Lifts 10 P/N 5900265 – Rev. A10 – September 2023

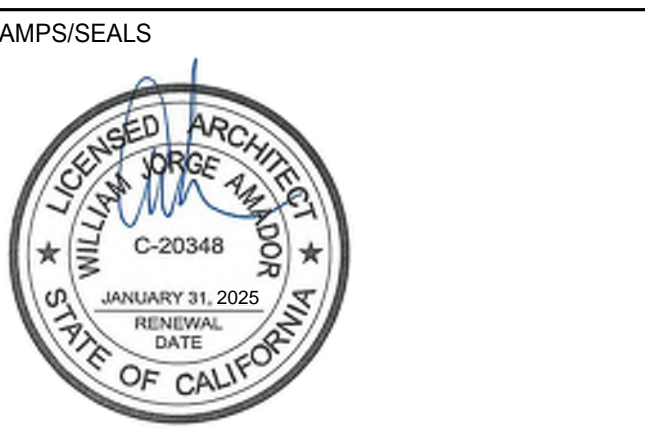
DIVISION OF THE STATE ARCHITECT

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

PROJECT TITLE AND SCHOOL LOCATION
24-VCCCD-018- REPLACE AUTO LIFTS AT WAM
 4667 TELEGRAPH RD. VENTURA, CA 93003

COMMISSIONED ARCHITECT
AMADÒR

CONSULTANT



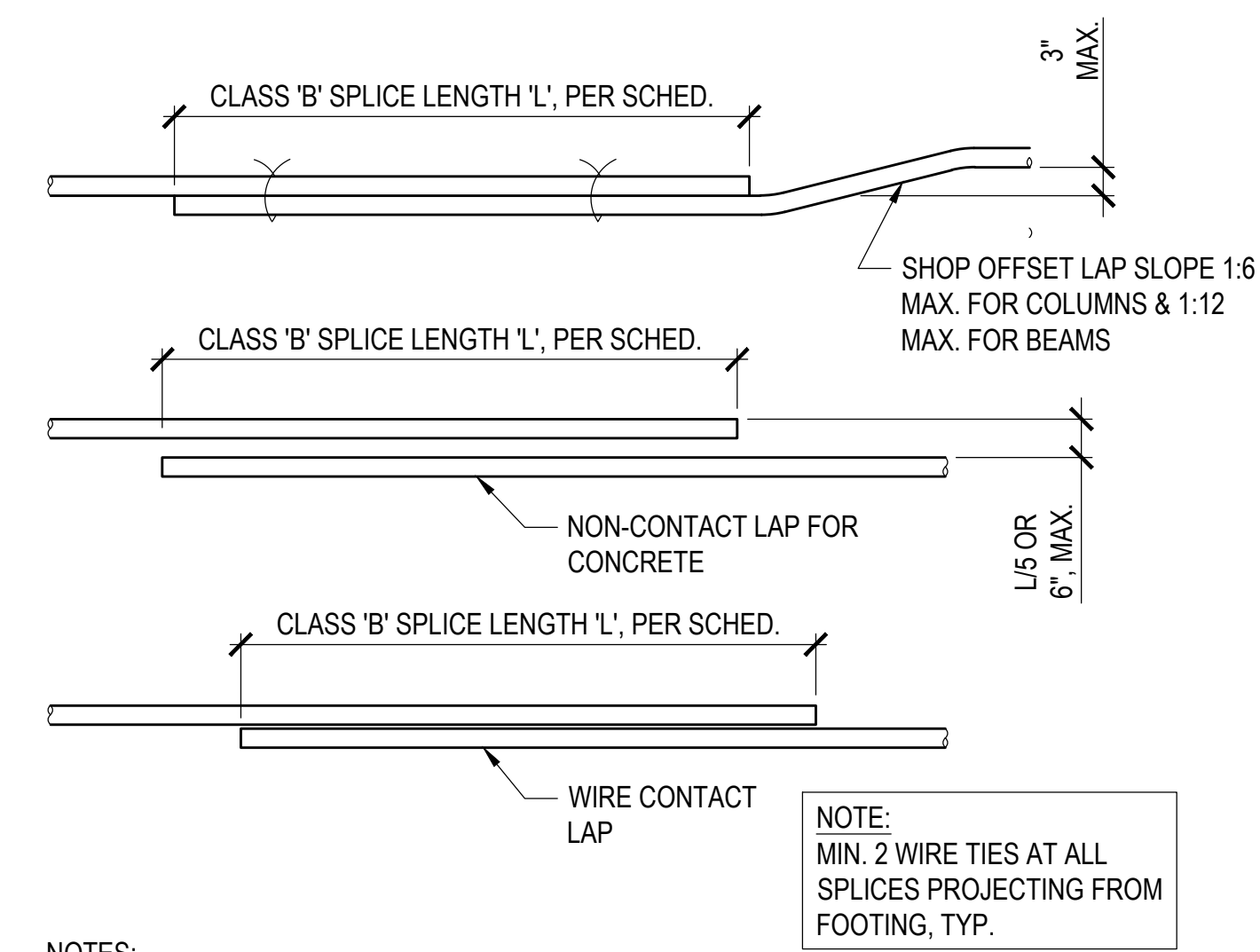
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DETAILS

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
 DRAWN: MC CHECKED: WJA

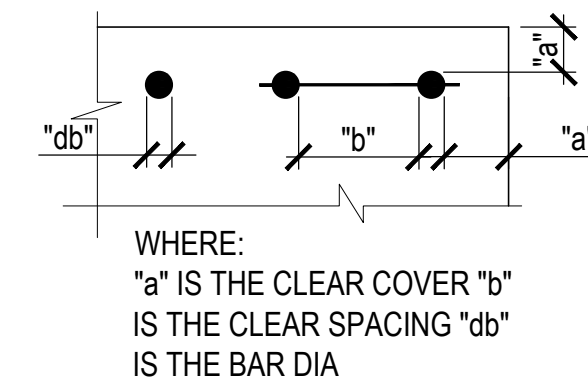
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DATE: 08/09/2024 SHEET: OF



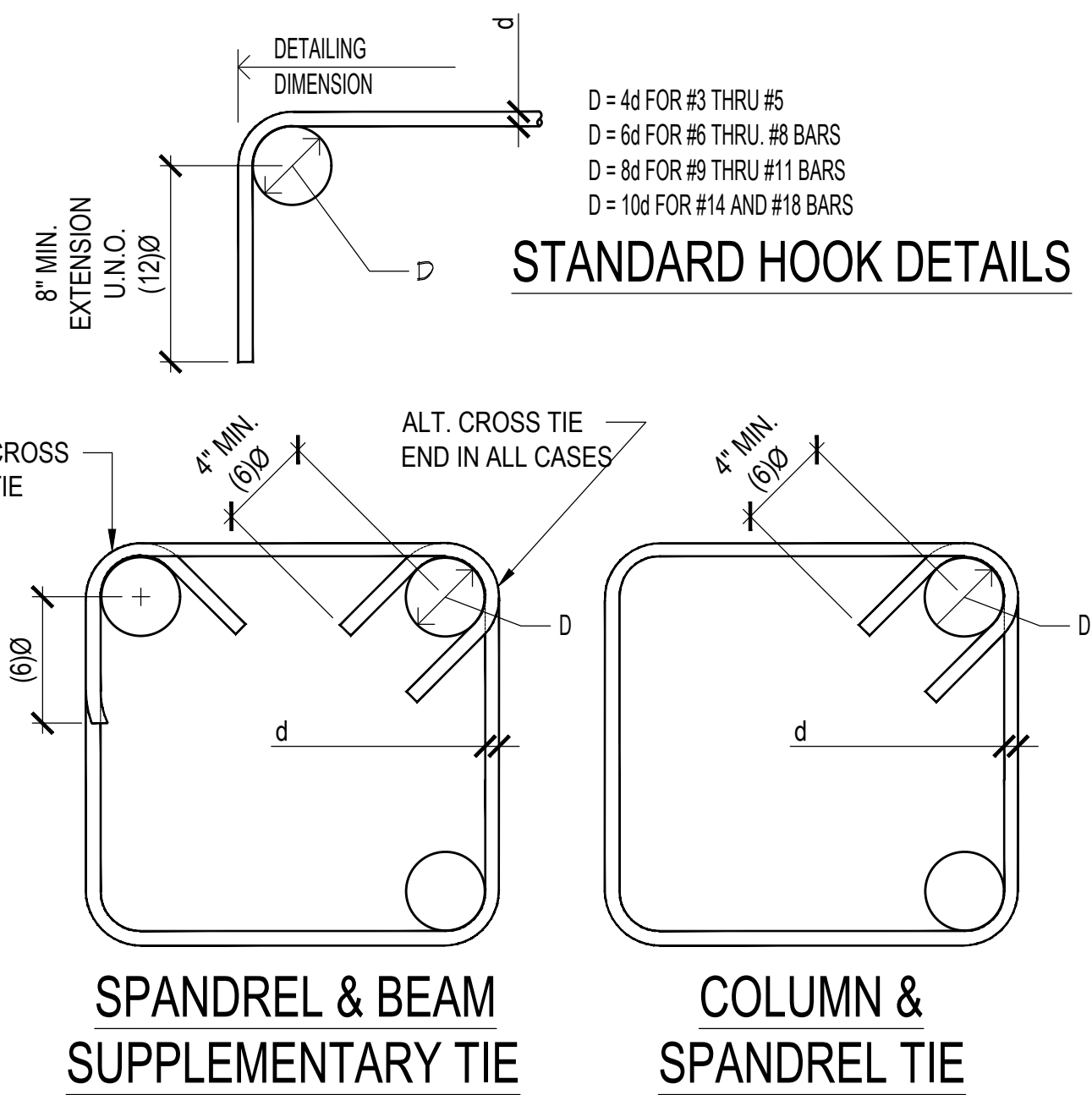
- NOTES:
- TOP BARS ARE HORIZONTAL REINFORCING WITH MORE THAN 12" OF CONCRETE BELOW BARS.
 - BOTTOM BARS INCLUDE ALL VERTICALS, ALL HORIZONTAL WALL REINFORCING, AND HORIZONTAL REINFORCING WITH LESS THAN 12" OF CONCRETE BELOW BARS.
 - A. USE CLASS B SPLICES U.N.O. ADJACENT BAR SPLICES SHALL BE STAGGERED THE GREATER OF THE LENGTH OF SPLICE OR 2'-0".
B. USE CLASS C SPLICES WHERE NOTED.
C. USE CLASS C SPLICES WHERE MORE THAN 49% OF BARS ARE TO BE SPLICED IN ONE LOCATION.
D. SMALLER BAR LAP LENGTH SHALL BE USED WHEN SPLICING DIFFERENT SIZE BARS.
E. INCREASE SPLICE LENGTH BY 33% FOR LIGHTWEIGHT CONCRETE.

BAR SIZE	TENSION LAP SPLICE LENGTH (CLASS B)				DEVELOPMENT LENGTH (Ld) (CLASS A)							
	3000 PSI CONC f _c		4000 PSI CONC f _c		3000 PSI CONC f _c		4000 PSI CONC f _c		5000 PSI CONC f _c			
	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER	TOP	OTHER		
#3	29	22	28	20	28	20	23	17	21	15	21	15
#4	39	29	34	25	30	23	30	22	26	19	23	17
#5	48	36	42	31	38	28	37	28	32	24	29	22
#6	58	43	50	37	45	34	45	33	39	29	35	26
#7	81	63	71	54	63	49	63	48	54	42	49	38
#8	93	72	81	62	72	56	72	55	62	48	56	43
#9	105	81	91	70	81	63	81	62	70	54	63	48
#10	118	91	102	79	92	70	91	70	79	61	70	54
#11	131	101	113	87	102	78	101	78	87	67	78	60

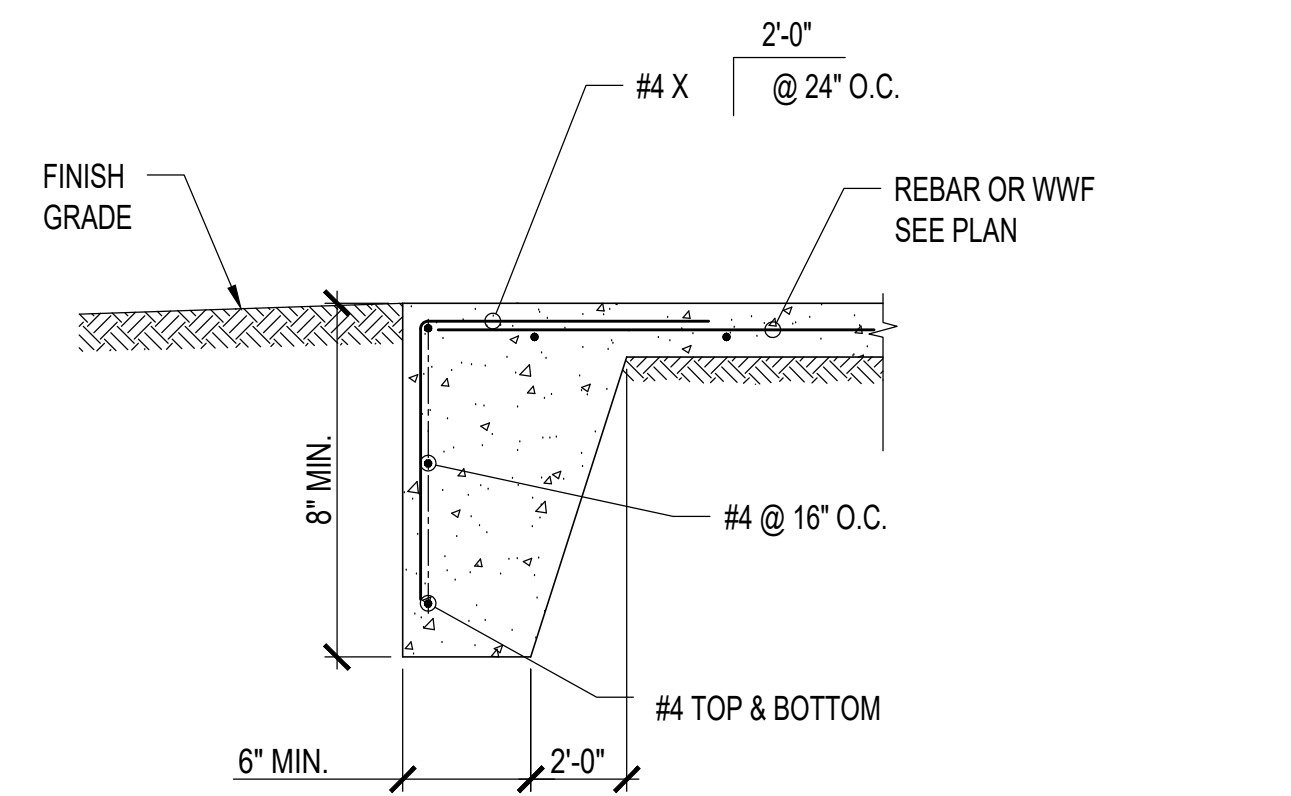


WHERE:
 "c" IS THE CLEAR COVER "b"
 IS THE CLEAR SPACING "db"
 IS THE BAR DIA

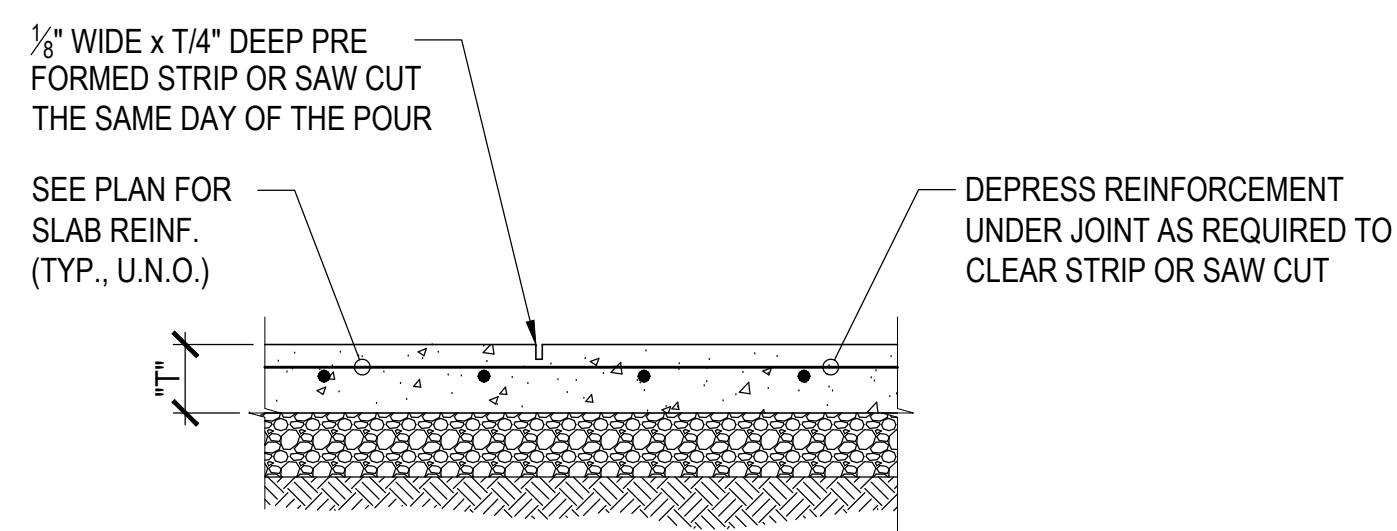
- NOTES:
- MINIMUM SPLICE LENGTH FOR BARS WITH CLASS 'B' SPLICE PER ACI-318-14, SECTION 25.5.
 - TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" CONCRETE CAST IN THE MEMBER BELOW THE REINFORCEMENT.
 - THESE BAR DEVELOPMENT LENGTH APPLY TO REGULAR OR NORMAL WEIGHT CONCRETE. MULTIPLY THE SPECIFIED DEVELOPMENT LENGTH BY 1.33 FOR LIGHT WEIGHT CONCRETE.
 - ALL DETAILING OF REINFORCEMENT SHALL COMPLY WITH THESE SCHEDULES UNLESS SPECIFICALLY DETAILED ON THE DRAWINGS.



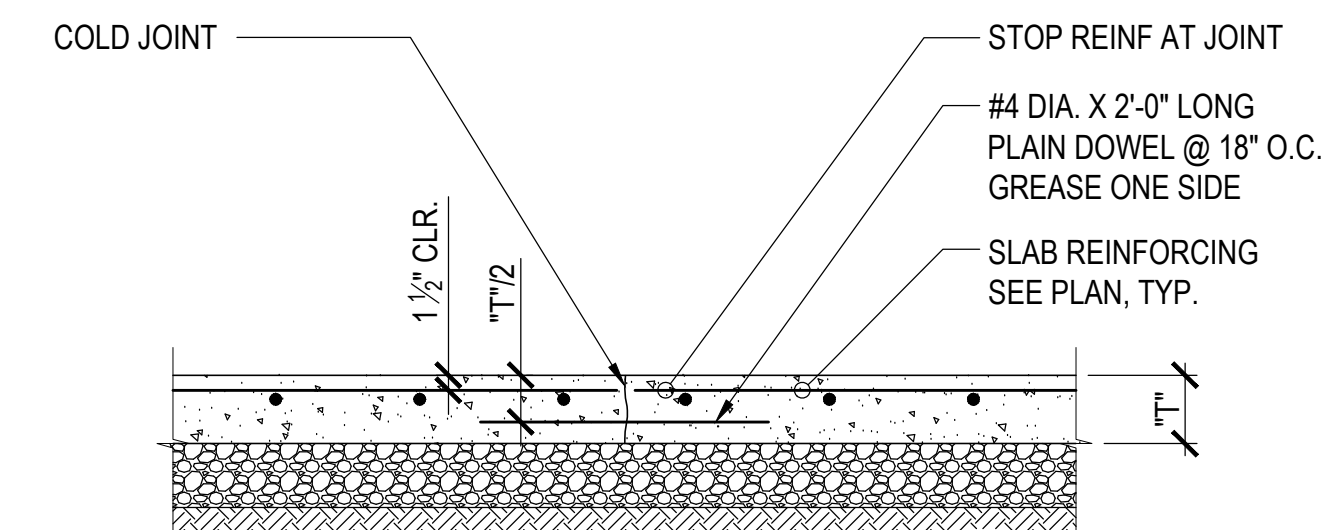
TYP. CONC. REINF. STANDARD HOOK DETAIL SCALE: 1" = 1'-0" 1



SLAB ON GRADE EDGE DETAIL SCALE: 1" = 1'-0" 2



CONTROL JOINT (WHERE CONTINUOUS POUR IS USED)



TYPICAL CONSTRUCTION JOINT

- NOTE:
- IF SAW-CUT CONTROL JOINT TO BE USED, SAW-CUT WITHIN 24 HOURS OF POUR.
 - SEE PLAN FOR "T".

TYP. CONC. REINF. DEVEL. LENGTH / LAP SPLICE SCHED. SCALE: 1" = 1'-0" 6

JOINTS AT SLAB ON GRADE SCALE: 1" = 1'-0" 3

REINFORCEMENT

- ALL TYPICAL REINFORCING BARS SHALL CONFORM TO ASTM A-615, GRADE 60, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
 - SPIRALS SHALL BE COLD DRAWN BARS CONFORMING TO ASTM A-82. REINFORCING FOR DIAPHRAGMS AND FOUNDATIONS MAY BE GRADE 75 IN LIEU OF GRADE 60, AT THE CONTRACTOR'S OPTION. MAINTAIN OVERALL CAPACITY OF ELEMENTS WHERE GRADE 75 REINFORCING IS PROPOSED FOR USE. IN GENERAL, REDUCE REQUIRED STEEL AREA IN PROPORTION TO RATIO OF YIELD STRENGTH. MAINTAIN BAR SPACING SHOWN ON PLANS, DETAILS, AND SCHEDULES.
 - MOMENT FRAME LONGITUDINAL REBARS, SHEAR WALL VERTICAL REBARS, AND COUPLING BEAM LONGITUDINAL REBARS SHALL BE ASTM A-706 [F_y=60 KSI].
 - SMOOTH DOWELS IN SLAB ON GRADE: ASTM A36, 36 KSI
- WELDING OF REINFORCEMENT (INCLUDING TACK WELDING) SHALL BE NOT BE DONE UNLESS SPECIFICALLY SHOWN ON THE DRAWINGS. WHERE SHOWN ON THE DRAWINGS, THE FOLLOWING SHALL APPLY:
 - WELDED REBAR SHALL COMPLY WITH ASTM A-706 [F_y=60 KSI]
 - WELDING SHALL CONFORM TO AWS D1.4
 - WELDING OF REINFORCING STEEL SHALL BE PERFORMED BY WELDERS CERTIFIED BY THE COUNTY OF VENTURA BUILDING DEPARTMENT.
 - USE E90XX ELECTRODES
- WELDED WIRE FABRIC SHALL BE MADE OF COLD DRAWN WIRE AND SHALL CONFORM TO ASTM A-185 [F_y=65 KSI]. MINIMUM LAP AT SPLICES OF 12 INCHES. PROVIDE MESH IN FLAT SHEETS ONLY. ROLLED MESH IS NOT ACCEPTABLE. OFFSET END-LAPS IN ADJACENT SHEETS TO PREVENT CONTINUOUS LAPS.
- REINFORCING STEEL SHALL HAVE THE FOLLOWING CONCRETE COVER. SEE ACI FOR TOLERANCES:

A. CONCRETE POURED AGAINST EARTH	3"
B. FORMED CONCRETE IN CONTACT WITH EARTH	2"
C. CONCRETE EXPOSED TO WEATHER (#6 AND LARGER)	2"
D. CONCRETE EXPOSED TO WEATHER (#5 AND SMALLER)	1-1/2"
E. SLABS (INCLUDING SLAB SUPPORTING EARTH), WALLS, AND JOISTS NOT EXPOSED TO WEATHER (#11 AND SMALLER)	1"
F. OTHER CONCRETE NOT EXPOSED TO WEATHER	1-1/2"
- #5 AND LARGER REINFORCING BARS SHALL NOT BE SPLICED EXCEPT AS LOCATED AND DETAILED ON THE DRAWINGS. #4 AND SMALLER BARS WITH LENGTHS NOT SHOWN SHALL BE CONTINUOUS. PROVIDE CLASS 'B' SPLICE UNLESS NOTED OTHERWISE. ALL BARS IN MASONRY SHALL BE CONTINUOUS, LAPPING 48 BAR DIAMETERS, 2'-0" MINIMUM. HORIZONTAL WALL SPLICES SHALL BE STAGGERED. VERTICAL BARS SHALL NOT BE SPLICED EXCEPT AT HORIZONTAL SUPPORTS, SUCH AS FLOOR OR ROOF, UNLESS DETAILED OTHERWISE. ALL BARS ENDING AT THE FACE OF A WALL, COLUMN, OR BEAM SHALL EXTEND TO WITHIN 2" OF THE FAR FACE AND HAVE A 90 DEGREE HOOK, UNLESS OTHERWISE SHOWN.
- BARS SHALL BE FIRMLY SUPPORTED AND ACCURATELY PLACED AS REQUIRED BY THE ACI STANDARDS, USING TIE AND SUPPORT BARS IN ADDITION TO REINFORCEMENT SHOWN WHERE NECESSARY FOR FIRM AND ACCURATE PLACING. PROVIDE DOWELS TO MATCH ALL REINFORCEMENT AT POUR JOINTS, UNLESS SHOWN OR NOTED OTHERWISE. ALL DOWELS AND BOLTS SHALL BE ACCURATELY SET IN PLACE BEFORE PLACING CONCRETE. NO WELDING OF REINFORCEMENT (INCLUDING TACK WELDING) SHALL BE DONE UNLESS SHOWN ON THE DRAWINGS OR APPROVED BY THE ENGINEER. ALL SLAB AND BEAM REINFORCEMENT SHALL BE CHAIRED UP.
- IN WALL REINFORCING, CURTAINS CONTAINING VERTICAL AND HORIZONTAL BARS OF THE SAME SIZE, VERTICAL BARS SHALL BE PLACED CLOSEST TO THE WALL SURFACE. IN CURTAINS WHICH VERTICAL AND HORIZONTAL BARS ARE OF DIFFERENT SIZES OR SPACING, THE LAYER WITH THE MOST STEEL SHALL BE PLACED CLOSEST TO THE NEAR SURFACE.
- DRAWINGS SHOW TYPICAL REINFORCING CONDITIONS. CONTRACTOR SHALL PREPARE DETAILED PLACEMENT DRAWINGS OF ALL CONDITIONS SHOWING QUANTITY, SPACING, SIZES, CLEARANCES, LAPS, INTERSECTIONS, AND COVERAGE REQUIRED BY THE STRUCTURAL DETAILS, APPLICABLE CODE, AND TRADE STANDARDS. CONTRACTOR SHALL NOTIFY REINFORCING INSPECTOR OF ANY ADJUSTMENTS FROM TYPICAL CONDITIONS WHICH ARE PROPOSED IN PLACEMENT DRAWINGS TO FACILITATE FIELD PLACEMENT OF REINFORCING STEEL AND CONCRETE.
- ALL PRINCIPAL REBAR SHALL TERMINATE WITH A STANDARD HOOK MINIMUM UNLESS SPECIFICALLY DETAILED OTHERWISE. REBAR BENDS SHALL BE MADE COLD. REBAR SHALL NOT BE BENT AFTER ANY PORTION OF THE BAR IS ENCASED IN CONCRETE.
- ALL LAP SPLICES ARE CLASS 'B' LAP SPLICES UNLESS NOTED OTHERWISE.
- ALL WALL FOOTING REINFORCEMENT SHALL BEND AROUND ALL CORNERS AND EXTEND 36 BAR DIAMETERS OR 18 INCHES WHICHEVER IS LARGER. UNLESS NOTED OTHERWISE.
- ALL SLABS ON GRADE LESS THAN 6" IN THICKNESS SHALL BE REINFORCED WITH #4 REBARS AT 16 INCHES ON CENTERS EACH WAY, UNLESS NOTED OTHERWISE. PROVIDE ONE (1) LAYER OF 6X6/W2.9XW2.9 WELDED WIRE FABRIC CONTINUOUS FOR EVERY 3" ARCHITECTURAL CONCRETE FILLS ABOVE THE STRUCTURAL SLAB.
- ALL MECHANICAL, PLUMBING AND ELECTRICAL EQUIPMENT PADS LESS THAN 4" THICK SHALL BE REINFORCED WITH AT LEAST ONE (1) LAYER OF 6X6/W2.9XW2.9 WELDED WIRE FABRIC AND HAVE HOOKED DOWELS (#3 AT 12" ON CENTERS) INTO THE STRUCTURAL SLAB. UNLESS NOTED OTHERWISE. FOR PADS GREATER THAN 4" INCHES THICK, USE REINFORCING AS SHOWN IN THE TYPICAL DETAILS.
- ADDITIONAL REINFORCEMENT SHALL BE PROVIDED AROUND ALL SLAB AND WALL OPENINGS INCLUDING DIAGONAL BARS WITHOUT EXCEPTION.
- ALL STRUCTURAL CONCRETE ELEMENTS REQUIRE REINFORCEMENT SINCE NO PLAIN CONCRETE ELEMENTS ARE USED. ALL CONCRETE SLABS SHALL HAVE A MINIMUM REINFORCEMENT PERCENTAGE OF 0.0018 EACH WAY CONTINUOUS.

GENERAL STRUCTURAL NOTES

- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS AT THE JOB SITE PRIOR TO STARTING CONSTRUCTION AND THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES.
- ALL PHASES OF WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE LATEST ADOPTED CODE AND ALL RELEASED ADDENDUM.
- THE CONTRACT CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT LIMITED TO: BRACING, ALL SHORING, FORMS, AND SCAFFOLDING.
- OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN SLABS BEAMS, COLUMNS, WALLS, ETC., UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
- ALL ASTM SPECIFICATIONS NOTED ON THESE DRAWINGS SHALL BE OF THE LATEST REVISION.
- IN THE EVENT THAT CERTAIN FEATURES OF CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE NOTES OR SPECIFICATIONS, NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY & WAIT FOR INSTRUCTIONS.
- COST OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORN BY THE CONTRACTOR.
- THE CONTRACTOR ACKNOWLEDGES AND UNDERSTANDS THAT THE CONTRACT DOCUMENTS MAY REPRESENT IMPERFECT DATA AND MAY CONTAIN ERRORS, OMISSIONS, CONFLICTS, INCONSISTENCIES, CODE VIOLATIONS AND IMPROPER USE OF MATERIALS. SUCH DEFICIENCIES WILL BE CORRECTED WHEN IDENTIFIED. THE CONTRACTOR AGREES TO CAREFULLY STUDY AND COMPARE THE INDIVIDUAL CONTRACT DOCUMENTS AND REPORT AT ONCE IN WRITING TO THE OWNER ANY DEFICIENCIES THE CONTRACTOR MAY DISCOVER. THE CONTRACTOR FURTHER AGREES TO REQUIRE EACH SUBCONTRACTOR TO LIKEWISE STUDY THE DOCUMENTS AND TO REPORT AT ONCE ANY DEFICIENCIES DISCOVERED. THE CONTRACTOR SHALL RESOLVE ALL REPORTED DEFICIENCIES WITH CONSULTANT PRIOR TO AWARDED ANY SUBCONTRACTS OR STARTING ANY WORK WITH THE CONTRACTOR'S OWN EMPLOYEES. IF THE CONTRACTOR WITHOUT ADDITIONAL TIME OR ADDITIONAL EXPENSE CANNOT RESOLVE ANY DEFICIENCIES, THE CONTRACTOR SHALL SO INFORM THE OWNER IN WRITING. ANY WORK PERFORMED PRIOR TO RECEIPT OF INSTRUCTIONS FROM THE OWNER WILL BE DONE AT THE CONTRACTOR'S RISK.
- OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ALL REQUIRED APPROVALS.
- ALL WORK SHALL CONFORM TO THE 2022 CALIFORNIA BUILDING CODE (2022 CBC).

DESIGN LOADS

DESIGN IS BASED ON 2022 CALIFORNIA BUILDING CODE.

EQUIPMENT LOADS
 MAX. LIFT OF HOIST = 10,000 LBS PER MANUF.

SEISMIC FACTORS:
 S_s = 1.992 S₁ = 0.749
 SITE CLASS D
 F_a = 1.0
 SDS = 1.594
 SEISMIC DESIGN CATEGORY D
 OCCUPANCY CATEGORY II

WIND: 95 MPH
 EXPOSURE C

CONCRETE

- CONCRETE IS REINFORCED AND CAST-IN-PLACE UNLESS OTHERWISE NOTED. WHERE REINFORCING IS NOT SPECIFICALLY SHOWN OR WHERE DETAILS ARE NOT GIVEN, PROVIDE REINFORCING SIMILAR TO THAT SHOWN FOR SIMILAR CONDITIONS, SUBJECT TO REVIEW BY THE OWNER'S REPRESENTATIVE.
- ALL STRUCTURAL CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS AND A MAX WATER CEMENT RATIO W/C AS FOLLOWS:
 A. ALL CONCRETE U.N.O.: 3,000 PSI NORMAL WEIGHT, W/C = 0.5
- ALL STRUCTURAL CONCRETE MIXES SHALL BE DESIGNED BY AN APPROVED LABORATORY AND SHALL BE STAMPED AND SIGNED BY A CIVIL ENGINEER LICENSED IN CALIFORNIA.
- CONCRETE MIXES SHALL BE PREPARED WITH TYPE III/V PORTLAND CEMENT CONFORMING TO ASTM C150. CONCRETE MIX DESIGNS CONTAINING FLY ASH MAY BE USED WHERE CONCRETE IS NOT VISUALLY EXPOSED. FLY ASH SHALL CONFORM WITH ASTM C618 AND MAY REPLACE UP TO 20% PORTLAND CEMENT BY VOLUME.
- NORMAL WEIGHT CONCRETE AGGREGATES SHALL CONFORM TO ASTM C33. LIGHT WEIGHT CONCRETE AGGREGATES SHALL CONFORM TO ASTM C330.
- NO MORE THAN ONE GRADE OF CONCRETE SHALL BE ON THE JOB SITE AT ANY ONE TIME.
- THOROUGHLY CLEAN AND ROUGHEN ALL HARDENED CONCRETE AND MASONRY SURFACES TO RECEIVE NEW CONCRETE. INTERFACE SHALL BE ROUGHENED TO A FULL AMPLITUDE OF 1/4" UNLESS NOTED OTHERWISE.
- KEY AND DOWEL POUR JOINTS AS SHOWN ON THE PLANS. ANY DEVIATION FROM POUR JOINTS SHOWN ON THE PLANS MUST BE APPROVED BY THE OWNER'S REPRESENTATIVE.
- NON-SHRINK CEMENT GROUT SHALL HAVE A MINIMUM 28 DAY COMPRESSIVE STRENGTH OF 7000 PSI. USE "QUIKRETE" (LARR #25451) OR "RAPID SET" (LARR #24654).
- DEFECTIVE CONCRETE (VOIDS, ROCK POCKETS, HONEYCOMBS, CRACKING, ETC.) SHALL BE REMOVED AND REPLACED AS DIRECTED BY THE OWNER'S REPRESENTATIVE.



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

PROJECT TITLE AND SCHOOL LOCATION

24-VCCCD-018- REPLACE AUTO LIFTS AT WAM

4667 TELEGRAPH RD. VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADOR

CONSULTANT



Orion Structural Group, Inc.
 221 East Thousand Oaks Boulevard, Suite 304
 Thousand Oaks, California 91320-7734
 Phone: 805-390-9242 Fax: 805-494-0418 O.S.G. #24604

STAMPS/SEALS



08/22/2024



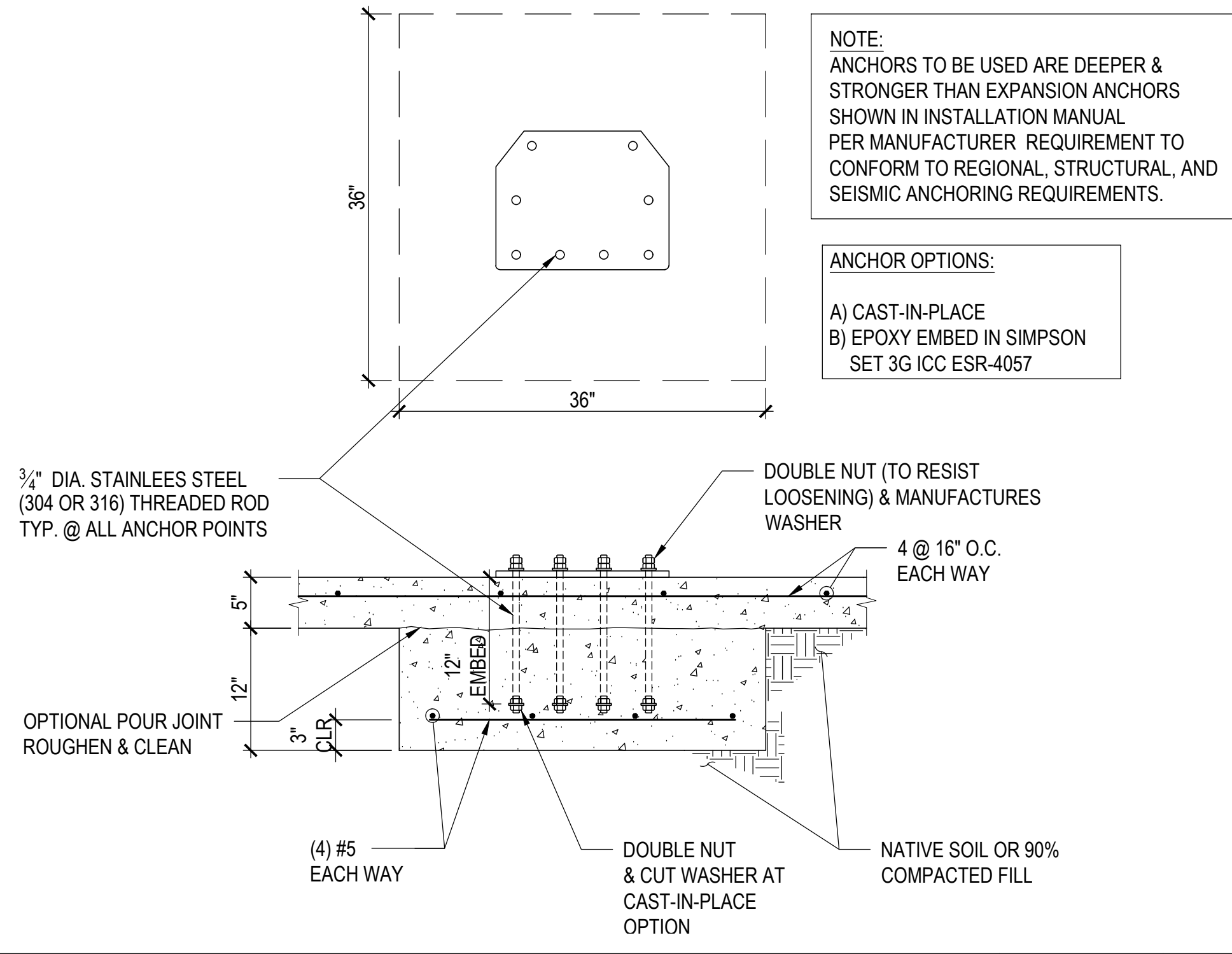
SHEET TITLE:

GENERAL NOTES & TYPICAL DETAILS

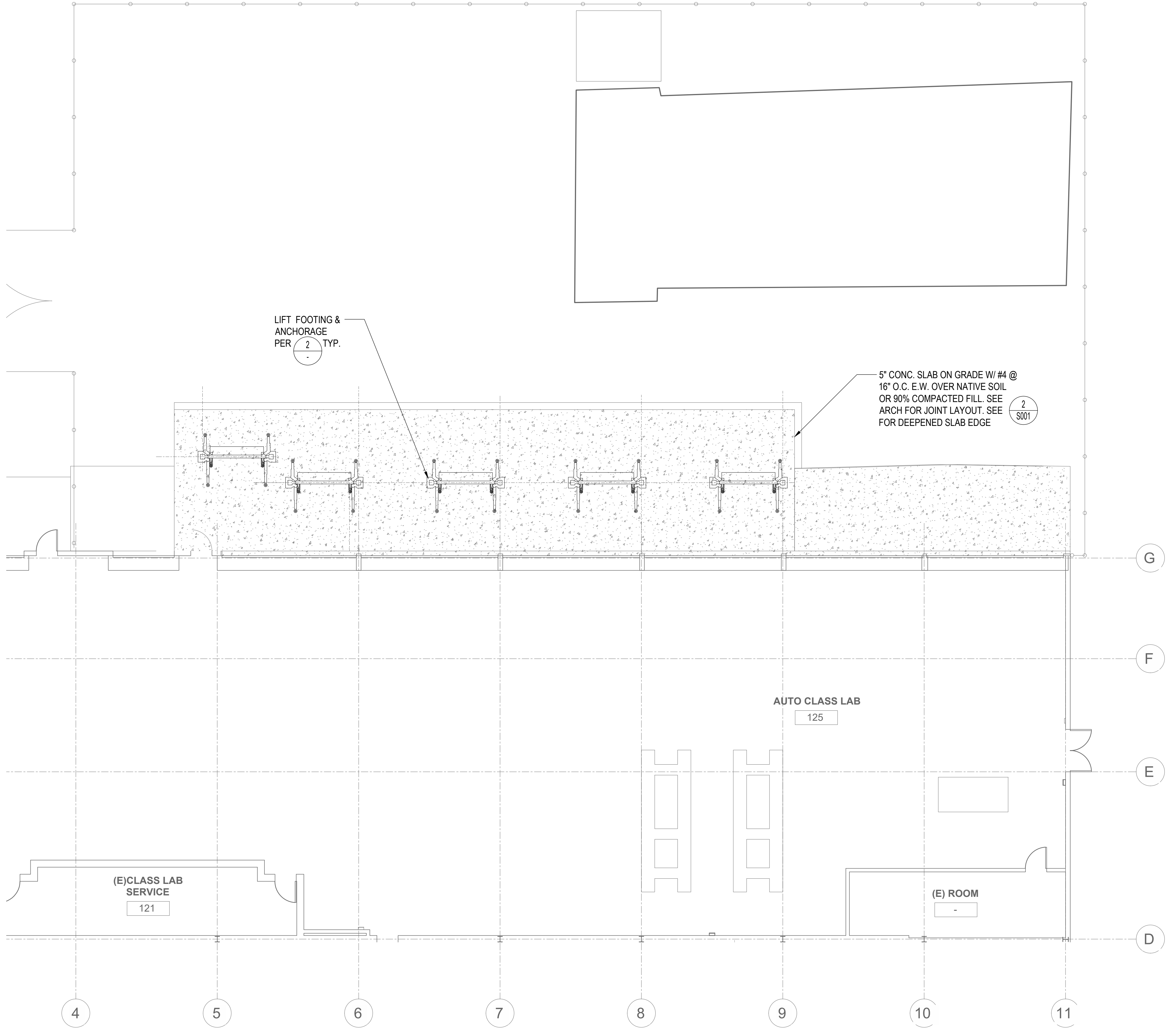
PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
 DRAWN: MG CHECKED: WL
 SHEET NUMBER:

S001

DATE: 08/22/2024 SHEET: OF



LIFT FOOTING & ANCHORAGE 1" = 1'-0" 2



KEY PLAN 1/8" = 1'-0" 1




ELECTRICAL SYMBOLS LIST			NOTE: NOT ALL SYMBOLS ARE USED
BRANCH CIRCUIT COND. SIZES			POWER & DATA SYMBOLS LIST
SEE PANEL SCHEDULES FOR BRANCH CIRCUITS			
WIRE	BRAN CKT AMPS	SIZES & QTY	
—	20A/1P OR 2P	2#10+1#10G CU 3/4" UON	120VAC, 20AMP DUPLEX WALLMOUNT RECP.
—	20A/3P	3#10+1#10G CU 3/4" UON	120VAC, 20AMP DUPLEX WALLMOUNT RECP. w/GROUND FAULT CIRCUIT INTERRUPTER
—	20A	4#10+1#10G CU 3/4" UON	120VAC, 20AMP DUPLEX WEATHER PROOF WALLMOUNT RECP. w/GROUND FAULT CIRCUIT INTERRUPTER
—	20A	6#10+1#10G CU 3/4" UON	DUPLEX RECP+DATA(LAN) WALL OUTLET COMBO. (X) INDICATES NO. OF DATA DROPS, PROVIDE PROVIDE (1)3/4" FOR DATA OUTLET.
—	30A/1P OR 2P	2#10+1#10G CU 3/4" UON	CEILING/WALL RECESSED J-BOX
—	30A/3P	3#10+1#10G CU 3/4" UON	WALL MOUNTED FUSED DISCONNECT SWITCH. AF INDICATES FUSE RATING, AS INDICATES SWITCH RATING.
—	30A	4#10+1#10G CU 3/4" UON	MOTOR RATED DISCONNECT SWITCH. DETERMINE THE POLES AND VOLTAGE BASED ON THE BRANCH CIRCUIT. MIN 20AMP UON
—	30A	6#10+1#10G CU 3/4" UON	
—	40A/1P OR 2P	2#8+1#10G CU 3/4" UON	
—	40A/3P	3#8+1#10G CU 3/4" UON	
—	40A	4#8+1#10G CU 3/4" UON	
—	40A	6#8+1#10G CU 1 UON	
			NOTE : ALL RECP. AND DATA OUTLETS TO BE MOUNTED AT +18" AFF UON
INDICATES 1-POLE, SINGLE CIRCUIT HOMERUN BACK TO SOURCE PANEL. 'H' INDICATES THE SOURCE PANEL AND 'XX' INDICATES THE CIRCUIT NUMBER. RUN WIRING BASED ON BRANCH CIRCUIT AMPACITY AS NOTED ABOVE. INCLUDE (1)GROUND WIRE PER CIRCUIT			SWITCHING/LIGHTING CONTROL SYMBOLS LIST
H-XX			MANUAL ON-OFF TOGGLE SWITCH IN FLUSH OR SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N. 'b' INDICATES SWITCH ID
H-X1,X2			DIMMER SWITCH w/MANUAL OVERRIDE IN FLUSH OR SURFACE WALL OUTLET BOX. +48" TO TOP OF BOX, U.O.N. 'b' INDICATES SWITCH ID
H-X1,X2,X3			
INDICATES 2-POLE, SINGLE CIRCUIT HOMERUN BACK TO SOURCE PANEL. 'H' INDICATES THE SOURCE PANEL AND 'X1 & X2' INDICATES THE CIRCUIT NUMBERS. RUN WIRING BASED ON BRANCH CIRCUIT AMPACITY AS NOTED ABOVE. INCLUDE (1)GROUND WIRE PER CIRCUIT			ELECTRICAL EQ. SYMBOLS LIST
H-X1,X2,X3			FLUSH MOUNTED/ WALL RECESSED PANELBOARD
INDICATES 3-POLE, SINGLE CIRCUIT HOMERUN BACK TO SOURCE PANEL. 'H' INDICATES THE SOURCE PANEL AND 'X1,X2,X3' INDICATES THE CIRCUIT NUMBERS. RUN WIRING BASED ON BRANCH CIRCUIT AMPACITY AS NOTED ABOVE. INCLUDE (1)GROUND WIRE PER CIRCUIT			SURFACE MOUNTED/ WALL RECESSED PANELBOARD
INDICATES 1-POLE, TWO CIRCUITS HOMERUN BACK TO SOURCE PANEL. 'H' INDICATES THE SOURCE PANEL AND 'XX & YY' INDICATES THE CIRCUIT NUMBERS. RUN WIRING BASED ON BRANCH CIRCUIT AMPACITY AS NOTED ABOVE. PROVIDE (1)GROUND WIRE PER CIRCUIT OR CONTRACTOR MAY SHARE (1)GROUND WIRE BETWEEN TWO CIRCUITS, GROUND WIRE SHALL BE SELECTED BASED ON THE LARGEST CIRCUIT OUT OF TWO CIRCUITS			LIGHTING CONTROL PANEL FLUSH MOUNTED
H-XX			FLOOR STANDING SWITCHBOARD
H-YY			PAD MOUNTED TRANSFORMER
CONDUIT TYPES			
—		ELECTRICAL CONDUIT ABOVE GROUND, SIZE AND TYPE PER PLANS	
- - - - -		ELECTRICAL CONDUIT UNDERGROUND/BELOW GROUND, SIZE AND TYPE PER PLANS, MINIMUM COVER DEPTH PER CEC 300.5	
<ol style="list-style-type: none"> USE EMT FOR INTERIOR ABOVE GROUND CONDUITS USE RGS FOR EXTERIOR ABOVE GROUND CONDUITS USE PVC SCH-40 FOR UNDERGROUND CONDUITS LIQUID TIGHT GALVANIZED STEEL FLEX CONDUITS CAN BE USED FOR EQUIPMENT CONNECTIONS MAX RUN 6FT MINIMUM CONDUIT COVER DEPTH PER TABLE 300.5 			
APPLICABLE CODES			
<ol style="list-style-type: none"> 2022 BUILDING STANDARDS ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R. 2022 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R. 2022 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R. 2022 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 C.C.R. 2022 CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R. 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R. TITLE 19 C.C.R.. PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS. 			
SCOPE OF WORK			
<ol style="list-style-type: none"> REMOVE POWER FOR EXISTING AUTOLIFTS PROVIDE POWER, ELECTRICAL DEVICES AND ELECTRICAL ACCESSORIES FOR NEW AUTOLIFTS ANY OTHER ITEMS NOT IN SCOPE 			

GENERAL NOTES	
<ol style="list-style-type: none"> ALL FEEDERS AND BRANCH CIRCUITS SHALL CARRY A GROUND WIRE, SIZED AS PER N.E.C. ARTICLE 250. PRIOR TO PULLING ANY CONDUCTORS, CLEAN AND MANDREL ALL CONDUITS. CONTRACTOR SHALL INSTALL EQUIPMENT PER ADA (AMERICAN DISABILITIES ACT) REQUIREMENTS. EXTERIOR EQUIPMENT INCLUDING PANELS, TRANSFORMERS, DISCONNECTS, JUNCTION BOXES, ENCLOSURES AND CONNECTIONS SHALL BE WEATHERPROOF TYPE NEMA-3R SUITABLE FOR EXTERIOR INSTALLATION.(MALLEABLE IRON FITTINGS). ALL DIMENSIONS, ELEVATIONS AND EXISTING CONDUITS SHALL BE ON THE SITE BY GENERAL CONTRACTOR, AND EACH SUB-CONTRACTOR BEFORE THE WORK BEGINS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE OWNERS ATTENTION BEFORE CONSTRUCTION BEGINS. THE ENGINEER HAS PREPARED THESE DOCUMENTS ONLY FOR IMPROVEMENTS SPECIFIED, DETAILED OR SHOWN AS NEW WORK, AND ASSUMES NO RESPONSIBILITY FOR OTHER CONSTRUCTION, MATERIAL OR EQUIPMENT NOTED AS "PROVIDED BY OTHERS". DEMOLITION AND/OR REMOVAL OF ELECTRICAL EQUIPMENT SHALL BE THE RESPONSIBILITY OF THE ELECTRICAL CONTRACTOR. ALL REMOVED EQUIPMENT NOT TO BE REUSED SHALL BE RETURNED TO OWNER OR AS DIRECTED BY THE OWNER INSPECTOR. ALL JUNCTION BOX COVER PLATES FOR BRANCH CIRCUIT SYSTEM SHALL BE CLEARLY MARKED WITH PERMANENT INK FELT PEN IDENTIFYING THE BRANCH CIRCUIT (BOTH PANEL NUMBER AND CIRCUIT NUMBER) CONTAINED IN THE BOX. THE CONTRACTOR SHALL MAINTAIN THE UNIFORMITY AND CONTINUITY OF THE GROUNDING SYSTEM IN ALL CONDUITS/RACEWAYS. PROVIDE HANGERS, SUPPORTS, SEISMIC RESTRAINTS AND/OR BRACING FOR ALL EQUIPMENT, CONDUIT, AND LIGHTING FIXTURES TO SUSTAIN VERTICAL LOADS AND RESIST HORIZONTAL FORCES IN ANY DIRECTION TO COMPLY WITH 2019 EDITION OF TITLE 24, PART 2, CALIFORNIA BUILDING CODE, CHAPTER 16 AND ASSOCIATED NOTES. PER CEC 300-21, "OPENINGS AROUND ELECTRICAL PENETRATIONS THROUGH FIRE-RESISTANT-RATED WALLS, PARTITIONS, FLOORS, CEILINGS SHALL BE FIRESTOPPED 	<p>USING APPROVED METHODS TO MAINTAIN THE FIRE RESISTANCE RATING."</p> <ol style="list-style-type: none"> ALL ELECTRICAL WORK SHALL BE PER THE APPLICABLE CEC CODE. CONTRACTOR SHALL INCLUDE IN HIS BID ALL REQUIRED LABOR, MATERIAL, EXPERTISE AND QUALIFIED PERSONNEL TO COMPLETELY INSTALL IN A CODE COMPLIANT MANNER. ALL WORK SHOWN ON THE PLANS. WHEN THERE ARE DISCREPANCIES BETWEEN CONTRACT DOCUMENTS (DRAWINGS), OBTAIN CLARIFICATION FROM THE ENGINEER PRIOR TO BID. FOR BIDDING PURPOSES THE MORE STRINGENT OR MORE EXPENSIVE REQUIREMENT(S) SHALL APPLY. DURING CONSTRUCTION, THE CONTRACTOR SHALL MAINTAIN A DAILY RECORD OF ALL DEVIATIONS FROM THE BID DRAWINGS. ALL DIMENSIONS AND OTHER INFORMATION NECESSARY TO COMPLETELY EXPLAIN AND LOCATE ALL ELEMENTS OF THESE DEVIATIONS SHALL BE RECORDED. UPON COMPLETION OF WORK, THE CONTRACTOR SHALL SUBMIT TO THE OWNER, ONE COMPLETE SET OF REPRODUCIBLE DRAWINGS CORRECTED TO REFLECT "AS-BUILT" CONDITIONS OF THE WORK. "PROVIDE" SHALL BE DEFINED AS: FURNISH AND INSTALL. ALL MATERIALS, EQUIPMENT, CONDUIT AND WIRING SHALL BE NEW AND PROVIDED BY THE CONTRACTOR. REFER TO THE PLANS FOR ADDITIONAL REQUIREMENTS FOR EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT. PROVIDE ELECTRICAL PANELS WITH TYPEWRITTEN "AS-BUILT" PANEL SCHEDULE. PANEL SCHEDULE SHALL INCLUDE LOCATION, QUANTITY AND TYPE OF DEVICES SERVED. PANEL SCHEDULE SHALL BE REVISED AS REQUIRED TO REFLECT REMOVED OR DEMOLISHED CIRCUITS. THE SEISMIC ANCHORAGE OF ELECTRICAL EQUIPMENT SHALL CONFORM TO ASCE 7-10. CONTRACTOR SHALL SUBMIT A CALCULATIONS AND DETAILS FOR APPROVAL WHEN USING AN INSTALLATION METHOD NOT COVERED UNDER ANY OF THE STRUCTURAL DRAWINGS STANDARD DETAILS. ALL MATERIALS, EQUIPMENT, CONDUIT AND WIRING SHALL BE NEW AND PROVIDED BY THE CONTRACTOR. REFER TO THE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS FOR EQUIPMENT AND MATERIAL APPROVED FOR USE UNDER THIS CONTRACT.
	<ol style="list-style-type: none"> WIRING FOR ALL LOW VOLTAGE SYSTEMS SHALL BE ENCLOSED IN CONDUIT AND/OR RACEWAY. ALL RACEWAYS INSIDE OF BUILDING SHALL BE CONCEALED. INCLUDE ALL REQUIRED DEMOLITION, CUTTING, PATCHING AND FINISH TO MATCH EXISTING INSTALLATION AS REQUIRED TO INSTALL NEW CONDUIT AND RACEWAYS IN EXISTING BUILDING. PROVIDE ELECTRICAL PANELS WITH ENGRAVED NAMEPLATE ON OUTSIDE OF PANEL ABOVE DOOR OPENING. SUPPORT CONDUIT 2-1/2 INCH TRADE SIZE OR SMALLER WITH U.L. LISTED CLAMPS AND HANGERS IN ACCORDANCE WITH SMACNA STANDARDS. EQUIPMENT SPECIFIED ON THESE DRAWING ARE BASIS OF DESIGN. CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL ADDITIONAL DESIGN AND CONSTRUCTION COSTS INCURRED BY THE USE OF ANY PRODUCT OTHER THAN THE BASIS OF DESIGN. PROVIDE BREAKERS TIES TO BREAKERS FEEDING MULTI WIRE RUNS. THESE PLANS ARE DIAGRAMMATIC, CONDUIT EXACT ROUTING, BOXES, FASTENERS, ETC. ARE CONSIDERED AS PART OF THE MEANS AND METHODS THAT THE CONTRACTOR IS USING TO PROVIDE AN OPERABLE AND APPROVED INSTALLATION. 110.2 APPROVAL: ALL ELECTRICAL EQUIPMENT SHALL BE LABELED, LISTED OR CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LABORATORY ACCREDITED BY THE UNITED STATES OCCUPATIONAL SAFETY HEALTH ADMINISTRATION. 130.5(c) VOLTAGE DROP: THE MAXIMUM COMBINED VOLTAGE DROP ON BOTH INSTALLED FEEDER CONDUCTORS AND BRANCH CIRCUIT CONDUCTORS TO THE FARTHEST CONNECTED LOAD OR OUTLET SHALL NOT EXCEED 5 PERCENT. FOR ELECTRICAL NO MORE THAN 360 DEGREE TURNS(4-90s) ARE ALLOWED BETWEEN PULLBOXES, J-BOXES, CONDUIT BODIES AND FOR LOW VOLTAGE/DATA/TELECOMM NO MORE THAN 180 DEGREE TURNS(2-90s) ARE ALLOWED BETWEEN PULLBOXES, J-BOXES, CONDUIT BODIES. CONTRACTOR TO PROVIDE REQUIRED PULLBOXES, J-BOXES TO SATISFY THESE REQUIREMENTS.

COMPONENT ANCHORAGE NOTE		STANDARD ABBREVIATIONS	
<p>APPLICABLE CODE: 2022 CBC MEP COMPONENT ANCHORAGE NOTE</p> <p>02/05/2020 REVISED: 02/14/2020</p> <p>ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A. 1.18 THROUGH 1617A. 1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30:</p> <ol style="list-style-type: none"> ALL PERMANENT EQUIPMENT AND COMPONENTS. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS, OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA. <p>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 :</p> <ol style="list-style-type: none"> COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM THE ROOF OR FLOOR OR HUNG FROM A WALL. <p>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.</p> <p>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, 13.6.7, 13.6.8; AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25 AND 1617A.1.26.</p> <p>THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.</p> <p>MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING, (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E)</p> <p><input type="checkbox"/> MP <input type="checkbox"/> MD <input type="checkbox"/> PP <input checked="" type="checkbox"/> E - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. <input type="checkbox"/> MP <input type="checkbox"/> MD <input type="checkbox"/> PP <input type="checkbox"/> E - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #) #_____.</p>	<p>A.F.F. ABOVE FINISHED FLOOR</p> <p>A OR AMP AMPERES</p> <p>A/C ASPHALT CONCRETE</p> <p>BKR BREAKER</p> <p>BC BARE COPPER</p> <p>C CONDUIT</p> <p>CKT. CIRCUIT</p> <p>C.O. CONDUIT ONLY</p> <p>CU COPPER</p> <p>(E) EXISTING</p> <p>(ER) EXISTING, RELOCATED</p> <p>F.O. FIBER OPTIC</p> <p>GFI/G.F.I. GROUND FAULT INTERRUPTER</p> <p>J.BOX JUNCTION BOX</p> <p>IDF INTERMEDIATE DISTRIBUTION FRAME (COMPUTER/NETWORKING SYSTEM)</p> <p>LDF LOCAL DISTRIBUTION FRAME (COMPUTER/NETWORKING SYSTEM)</p> <p>MDF MAIN DISTRIBUTION FRAME (COMPUTER/NETWORKING SYSTEM)</p> <p>M.H. MOUNTING HEIGHT</p> <p>(N) NEW</p> <p>N.I.C. NOT IN CONTRACT</p> <p>PA PUBLIC ADDRESS</p> <p>PH OR Ø PHASE</p> <p>(RR) REMOVE AND RELOCATE</p> <p>(R) REMOVED</p> <p>REV. REVISED</p> <p>RSP REMOTE SECURITY PANEL</p> <p>SLC SIGNALING LINE CIRCUIT</p> <p>SW SWITCH</p> <p>XFMR TRANSFORMER</p> <p>TVSS TRANSIENT VOLTAGE SURGE SUPPRESSER</p> <p>TYP. TYPICAL</p> <p>UFER UFERR GROUND</p> <p>UG UNDERGROUND</p> <p>U.O.N. UNLESS OTHERWISE NOTED</p> <p>WM WIREMOLD</p> <p>WP WEATHERPROOF</p> <p>W.P. WEATHERPROOF</p> <p>V.L. VERIFY LOCATION.</p>		

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

24-VCCCD-018- REPLACE AUTO LIFTS AT WAM

4667 TELEGRAPH RD. VENTURA, CA 93003


COMMISSIONED ARCHITECT



2828 AGOURA RD. 201 | AGOURA HILLS CA 91011 | 909-530-3888



AMADOR WHITE ARCHITECTS, INC.

CONSULTANT



An MBE/ISBE/DBE/LSBE Firm
Glendale | Downtown LA | Fremont | Camarillo
WWW.BUILDINGS.COM 208-741-160

STAMPS/SEALS

SHEET TITLE:

ELECTRICAL FRONT SHEET

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
DRAWN: MC CHECKED:
SHEET NUMBER: **E001**

DATE: 8/15/2024 SHEET: ___ OF ___

I:\24-160 Amador Ventura CC WAM - Outdoor Rack RPLC Auto Stage(E)24-160 - E001 ELECTRICAL FRONT SHEET.dwg, 8/22/2024, 3:55:56 PM, patrick

PART 1 - GENERAL ELECTRICAL SPECIFICATIONS

1. SCOPE
 - 1.1. PROVIDING LIGHT POLES INCLUDING LIGHT FIXTURES AND BRANCH CIRCUIT FOR SOCCER FIELD
 - 1.2. PROVIDING EGRESS LIGHTING IN SOCCER FIELD AND AT BLEACHERS PATH OF EGRESS.
2. GENERAL REQUIREMENTS
 - 2.1. PROVIDE ALL EQUIPMENT, MATERIAL, LABOR, SERVICE, SUPPORT AND SKILLED SUPERVISION FOR ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS AND AS SPECIFIED.
 - 2.2. THE ENTIRE WORK PROVIDED SHALL BE CONSTRUCTED AND FINISHED IN EVERY RESPECT IN A WORKMANLIKE AND SUBSTANTIAL MANNER. FURNISH AND INSTALL ALL WORK AS MAY BE NECESSARY TO COMPLETE THE SYSTEMS IN ACCORDANCE WITH THE BEST TRADE PRACTICE AND TO THE SATISFACTION OF THE OWNER. THE ENTIRE INSTALLATION SHALL BE READY IN EVERY RESPECT FOR SATISFACTORY AND EFFICIENT OPERATION WHEN COMPLETE.
 - 2.3. THE DRAWINGS SHOW VARIOUS CONDUIT AND WIRING SYSTEMS SCHEMATICALLY AND EXISTING CIRCUIT NUMBERS ARE FOR REFERENCE ONLY. BALANCE EXISTING PANELBOARD AND RECORD ALL NEW CIRCUIT NUMBERS ON AS-BUILT DRAWINGS.
 - 2.4. SUBMIT A SINGLE GUARANTEE STATING THAT ALL PORTIONS OF THE WORK ARE IN ACCORDANCE WITH CONTRACT REQUIREMENTS. GUARANTEE ALL WORK AGAINST FAULTY AND IMPROPER MATERIAL AND WORKMANSHIP FOR A PERIOD OF ONE YEAR FROM DATE OF FINAL ACCEPTANCE BY THE OWNER EXCEPT THAT WHERE GUARANTEES OR WARRANTIES FOR LONGER TERMS ARE SPECIFIED BY CONTRACT, SUCH LONGER TERM SHALL APPLY. AT NO ADDITIONAL COST TO THE OWNER, WITHIN 24HOURS AFTER NOTIFICATION, CORRECT ANY DEFICIENCIES WHICH OCCUR DURING THE GUARANTEE PERIOD, ALL TO THE SATISFACTION OF THE OWNER.
 - 2.5. PROVIDE ALL MATERIAL AND EQUIPMENT AND MAKE THE FINAL CONNECTIONS TO ALL EQUIPMENT.
 - 2.6. FURNISH A WRITTEN GUARANTEE FOR A PERIOD OF ONE-YEAR FROM DATE OF ACCEPTANCE.
 - 2.7. ALL CORE CUTTING ,DRILLING AND PATCHING:
 - 2.7.1. THE CONTRACTOR SHALL DO ALL DRILLING, CUTTING, AND PATCHING OF GENERAL CONSTRUCTION WORK EXISTING OR NEW, ROUGH FINISH AND TRIM WHICH MAY BE REQUIRED FOR THE INSTALLATION OF ALL OF HIS WORK. ALL PATCHING SHALL BE OF THE SAME MATERIALS, WORKMANSHIP AND FINISH AS THE ORIGINAL WORK, AND SHALL ACCURATELY MATCH ALL SURROUNDING WORK.
 - 2.7.2. NO HOLES WILL BE ALLOWED IN ANY STRUCTURAL MEMBERS WITHOUT THE WRITTEN APPROVAL OF THE PROJECT'S STRUCTURAL ENGINEER.
 - 2.7.3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND REPAIRING SURFACES WHERE HE IS REQUIRED TO PENETRATE FOR WORK UNDER THIS CONTRACT.
 - 2.7.4. PENETRATIONS SHALL BE SEALED TO MEET THE RATED INTEGRITY OF THE SERVICE REQUIRED TO BE PATCHED AND REPAIRED. THE PATCHED SURFACE SHALL BE PAINTED OR FINISHED TO MATCH THE EXISTING SURFACE.
3. CODES AND PERMITS
 - 3.1. ALL WORK SHALL BE DONE IN FULL COMPLIANCE WITH THE CALIFORNIA ELECTRICAL CODE AND ALL LOCAL CODES OR ORDINANCES HAVING JURISDICTION.
 - 3.2. ALL EQUIPMENT AND MATERIALS SHALL BE NEW EXCEPT WHERE SPECIFICALLY NOTED TO BE REUSED AND LISTED BY THE UNDERWRITERS LABORATORIES, INC., MANUFACTURED IN ACCORDANCE WITH ASME, NEMA, ANSI OR IEEE STANDARDS, AND APPROVED BY ALL AUTHORITIES HAVING JURISDICTION.
 - 3.3. SECURE AND PAY FOR ALL NECESSARY APPROVALS, PERMITS, INSPECTIONS, ETC., AND DELIVER THE OFFICIAL RECORDS OF THE GRANTING OF PERMITS TO THE OWNER WITHOUT ADDITIONAL COST TO THE OWNER.
4. COORDINATION
 - 4.1. COORDINATE THE WORK OF THIS SECTION WITH THE WORK OF OTHER SECTIONS IN AMPLE TIME FOR THE PROPER INSTALLATION AND CONNECTION AND FOR THE PROVISION OF ALL OPENINGS REQUIRED IN FLOORS AND WALLS.
 - 4.2. CAREFULLY CHECK SPACE REQUIREMENTS WITH OTHER TRADES TO INSURE THAT ALL EQUIPMENT AND MATERIALS CAN BE INSTALLED IN THE SPACES ALLOTTED THERETO. INSTALL ALL WORK TO AVOID OBSTRUCTIONS AND TO PRESERVE HEADROOM AND CEILING HEIGHT REQUIREMENTS.
 - 4.3. CAREFULLY CHECK THE DOCUMENTS WITH OTHER TRADES TO ASCERTAIN THE REQUIREMENTS OF ANY MATERIALS OR EQUIPMENT BEING FURNISHED AND/OR INSTALLED BY THAT SECTION AND PROVIDE THE PROPER INSTALLATION AND/OR CONNECTIONS INCLUDING ANY CONTROL WIRING REQUIRED.
5. CLEANING PREMISES
 - 5.1. THE CONTRACTOR SHALL KEEP ALL PARTS OF THE BUILDING AND SITE FREE FROM ANY ACCUMULATIONS OF RUBBISH OR WASTE MATERIALS CAUSED BY HIS WORKMEN, AND SHALL REMOVE SUCH ACCUMULATIONS FROM THE BUILDING, SITE AND PROPERTY. JOB SITE SHALL BE CLEANED AT THE END OF EACH WORKING DAY.
6. RECORD DRAWINGS
 - 6.1. KEEP UP TO DATE, A COMPLETE SET OF DRAWINGS WITH RED MARK TO INDICATE ANY CHANGES FROM THE ORIGINAL DRAWINGS. UPON COMPLETION OF THE INSTALLATION, FURNISH A COMPLETE SET OF MARKED UP DRAWINGS AS "RECORD DRAWINGS".THESE DRAWINGS SHALL BE SUBMITTED TO THE OWNER FOR APPROVAL. AFTER APPROVAL THEY SHALL BECOME THE PROPERTY OF THE OWNER. FINAL PAYMENT WILL BE WITHHELD UNTIL RECEIPT OF THE APPROVED DRAWINGS.
7. PROTECTION & SAFEGUARDS
 - 7.1. THE CONTRACTOR SHALL ERECT AND MAINTAIN SUITABLE BARRIERS, PROTECTIVE DEVICES, LIGHTS AND WARNING SIGNS WHERE REQUIRED FOR THE PROTECTION OF THE PUBLIC AND EMPLOYEES ABOUT THE BUILDING. HE SHALL BE FULLY RESPONSIBLE FOR ANY LOSS OR INJURY TO PERSONS OR PROPERTY RESULTING FROM HIS NEGLIGENCE OF THESE PRECAUTIONS, SYSTEM CARELESSNESS, OR THE CARELESSNESS OR NEGLIGENCE OF HIS EMPLOYEES, OR HIS SUB-CONTRACTOR AND/OR THEIR EMPLOYEES.
8. SHOP DRAWINGS/SUBMITTALS

- 8.1. WITHIN THIRTY (30) DAYS AFTER AWARD OF THE GENERAL CONTRACT, THE CONTRACTOR SHALL SUBMIT DIGITAL PDF OF ALL REQUIRED SHOP DRAWINGS AND BROCHURES. SHOP DRAWINGS AND BROCHURES WILL BE REQUIRED FOR THE FOLLOWING EQUIPMENT; CIRCUIT BREAKERS, LIGHT FIXTURES, LIGHT POLES, LIGHTING CONTROL PANEL, CONDUIT INCLUDING SUPPORTS, ACCESSORIES AND FITTINGS, WIRES AND CONNECTORS. CONTRACTOR SHALL SUBMIT ITEMS TO BE USED IN THIS PROJECT FOR REVIEW AND APPROVAL. EQUIPMENT INSTALLED WITHOUT APPROVAL THEREOF SHALL BE DONE AT THE RISK OF THE CONTRACTOR AND THE COST FOR REMOVAL OF SUCH EQUIPMENT OR RELATED WORK WHICH IS JUDGED UNSATISFACTORY FOR ANY REASON SHALL BE AT THE EXPENSE OF THIS CONTRACTOR.
9. EXISTING CONDITIONS
 - 9.1. BEFORE SUBMITTING BID, BECOME THOROUGHLY FAMILIAR WITH ACTUAL EXISTING CONDITIONS ON SITE AND OF THE PRESENT INSTALLATIONS TO WHICH CONNECTIONS MUST BE MADE OR WHICH MUST BE CHANGED OR ALTERED. THE INTENT OF THE WORK IS SHOWN ON THE DRAWINGS AND DESCRIBED HEREINAFTER AND NO CONSIDERATION WILL BE GRANTED BY REASON OF LACK OF FAMILIARITY ON THE PART OF THE CONTRACTOR WITH ACTUAL PHYSICAL CONDITIONS AT THE SITE.
 - 9.2. WHERE SPECIFICALLY CALLED FOR ON THE DRAWING OR WHEN PERMISSION IS SPECIFICALLY GIVEN BY THE OWNER, EXISTING EQUIPMENT AND MATERIAL MAY BE REUSED. SALVAGEABLE MATERIAL, UNLESS OTHERWISE INSTRUCTED BY THE OWNER, SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND BE REMOVED FROM THE SITE.

PART 2 - PRODUCTS

1. MATERIALS
 - 1.1. MATERIALS AND EQUIPMENT : ALL ELECTRICAL MATERIALS AND EQUIPMENT SHALL BE NEW AND SHALL BE LISTED BY UNDERWRITERS LABORATORY (UL) AND BEAR THEIR LABEL LISTED AND CERTIFIED BY A NATIONALLY RECOGNIZED TESTING LAB (NRTL) THAT IS ALSO RECOGNIZED BY THE LOCAL AUTHORITY HAVING JURISDICTION (AHJ)
2. GROUNDING SYSTEM
 - 2.1. ALL ELECTRICAL EQUIPMENT AND SYSTEMS SHALL BE GROUNDED IN ACCORDANCE WITH CALIFORNIA ELECTRICAL CODE AND TITLE 24, CALIFORNIA ADMINISTRATIVE CODE, PART 3.
 - 2.2. GROUNDING SHALL BE AS INDICATED ON THE DRAWINGS AND BONDED TO THE COLD WATER PIPING SYSTEM.
 - 2.3. PROVIDE A GROUNDING CONDUCTOR, WHICH SHALL BE IN ADDITION TO THE CIRCUIT CONDUCTORS INDICATED, IN EACH NONMETALLIC CONDUIT USED FOR LIGHTING AND POWER CIRCUITS.
 - 2.4. ALL SYSTEM GROUNDING CONDUCTORS SHALL BE COPPER. ALL GROUND CONNECTIONS SHALL BE ACCESSIBLE AND MADE WITH COPPER ALLOY FITTINGS.
3. PANELBOARDS
 - 3.1. ALL EXISTING PANELBOARDS ARE TO REMAIN. CONTRACTOR IS REQUIRED TO PROVIDE AN UPDATED TYPEWRITTEN PANEL DIRECTORY TO REFLECT THE CHANGES MADE ON PANEL LOADS.
4. WIRING DEVICES
 - 4.1. THE CATALOG NUMBERS OF ALL WIRING DEVICES, UNLESS OTHERWISE SPECIFIED ARE THOSE OF THE HUBBELL COMPANY, OR AS NOTED TO ESTABLISH THE QUALITY DESIRED. EQUAL EQUIPMENT BY GENERAL ELECTRIC, BRYANT, SIEMENS, LEVITON OR A&W WILL BE ACCEPTABLE.
 - 4.2. FURNISH AND INSTALL WALL SWITCHES AT EACH LOCATION INDICATED ON THE DRAWINGS. WHERE MORE THAN ONE SWITCH OCCURS AT THE SAME LOCATION, THEY SHALL BE INSTALLED UNDER A MULTIPLE GANG PLATE. SWITCH HANDLE SHALL BE WHITE COLOR. SWITCHES HANDLES SHALL BE WHITE COLOR. SWITCHES SHALL BE A.C. QUIET TYPE RATED 20 AMPERES AT 120 AND/OR 277 VOLTS. - n-LIGHT CONTROLS OR EQUIVALENT.
 - 4.3. FURNISH AND INSTALL CONVENIENCE RECEPTACLE AT EACH LOCATION INDICATED ON THE DRAWINGS. RECEPTACLE SHALL BE HUBBELL, LEVITON OR EQUIVALENT.
 - 4.4. PLATES FOR WIRING DEVICES SHALL BE WHITE OR AS SELECTED BY OWNER REPRESENTATIVE.
5. OUTLET BOXES
 - 5.1. JUNCTION BOXES SHALL BE 4 BY 4 BY 2-1/8 INCHES DEEP WITH COVERS UNLESS OTHERWISE NOTED OR REQUIRED BY CODE. JUNCTION BOXES ABOVE SUSPENDED CEILINGS FOR LIGHTING AND FOR DATA/COMMUNICATION SYSTEMS SHALL BE 4-11/16 BY 2-1/8 INCHES DEEP MINIMUM, TO BE INSTALLED ADJACENT TO RECESSED FIXTURE IN SUCH MANNER AS TO BE ACCESSIBLE THROUGH THE OPENING IN THE CEILING IN WHICH THE FIXTURE IS INSTALLED.
6. LIGHTING FIXTURES
 - 6.1. FURNISH AND INSTALL UNDERWRITERS LABORATORIES, INC. LISTED LIGHTING FIXTURES AS INDICATED ON DRAWINGS.
 - 6.2. ALL FIXTURES SHALL BE FURNISHED COMPLETE WITH LED LAMPS.
 - 6.3. THIS CONTRACTOR SHALL FURNISH AND INSTALL ALL SUPPORTS FOR ALL LIGHTING FIXTURES INCLUDING LIGHT POLES.
7. CONDUIT, EMT AND FITTINGS
 - 7.1. RACEWAYS LARGER THAN 3-INCH SHALL BE GALVANIZED RIGID STEEL UNLESS OTHERWISE SPECIFIED.
 - 7.2. RIGID METAL RACEWAYS SHALL BE INSTALLED IN WET LOCATIONS, IN OR UNDER CONCRETE SLABS ON GRADE WITH OR WITHOUT VAPOR BARRIER, IN CONCRETE WALLS AND COLUMNS, IN CONCRETE SLABS, WALLS AND COLUMNS EXPOSED TO THE WEATHER WITH OR WITHOUT VAPOR BARRIERS; WHERE EXPOSED IN AREAS OPEN TO THE WEATHER, WHERE EXPOSED ON WALLS AND COLUMNS UP 6 FEET ABOVE THE FLOOR, EXCEPT IN ELECTRICAL OR TELEPHONE RISER CLOSETS; AND IN MECHANICAL ROOMS IN SIZES LARGER THAN 1-IN UP TO 7-FEET 0 INCHES ABOVE FINISHED FLOOR.
 - 7.3. ELECTRICAL METALLIC TUBING IN SIZES UP TO 3-INCH MAY BE INSTALLED IN INTERIOR SPACES WHERE RIGID RACEWAY IS NOT REQUIRED, AND WHERE PERMITTED BY THE LOCAL CODE AUTHORITIES HAVING JURISDICTION.
 - 7.4. JOIN ELECTRICAL METALLIC TUBING WITH WATERTIGHT STEEL COMPRESSION TYPE THREADLESS FITTINGS THROUGHOUT. USE CONNECTORS OF FACTORY PRE INSULATED TYPE IN ALL SIZES. EMT FITTINGS USING SET SCREWS ARE NOT ACCEPTABLE. EMT CONNECTIONS SHALL BE OF MALLEABLE IRON OR STEEL.
 - 7.5. FLEXIBLE RACEWAY SHALL BE STEEL AND SHALL BE USED FOR REMOVABLE LIGHTING FIXTURES IN FURRED CEILING SPACES AND AT LOCATIONS AS SHOWN. USE FACTORY PRE INSULATED FITTINGS OF THE TYPE APPROVED AS GROUNDING CONNECTORS. PROVIDE GROUNDING WIRE IN ALL NON-LIQUID TIGHT FLEXIBLE RACEWAY SIZED ACCORDING TO CODE. MAXIMUM LENGTH OF FLEXIBLE RACEWAYS SHALL BE 6- FEET.
 - 7.6. NON METALLIC CONDUIT SHALL BE POLYVINYL CHLORIDE (PVC) RIGID CONDUIT, SCH 40, TYPE II FOR UNDERGROUND INSTALLATION ONLY WITH SOLVENT WELDED JOINTS, CONFORMING TO UL REQUIREMENTS, LISTED FOR EXPOSED AND DIRECT BURIAL APPLICATION.
8. CONDUCTORS
 - 8.1. ALL CONDUCTORS SHALL BE COPPER WITH THHN 90 DEGREE C INSULATION.
 - 8.2. WIRE AND CABLE SHALL BE NEW, MANUFACTURED NOT MORE THAN 6 MONTHS PRIOR TO INSTALLATION, SHALL HAVE SIZE,TYPE OF INSULATION, VOLTAGE RATING AND MANUFACTURER'S NAME PERMANENTLY MARKED ON OUTER COVERING AT REGULAR INTERVALS.
 - 8.3. CONDUCTORS SHALL BE CONTINUOUS FROM OVER-CURRENT PROTECTIVE DEVICE TO TERMINAL OR FARTHEST OUTLET. NO JOINTS SHALL BE MADE EXCEPT IN PULL, JUNCTION OR OUTLET BOXES.
 - 8.4. JOINTS IN WIRES SMALLER THAN NO.6 SHALL BE MADE WITH IDEAL SUPER WIRE NUTS OR SCOTCH TYPE "R", "Y" OR "B" SPRING CONNECTORS. JOINTS IN WIRES NO. 6 AND LARGER SHALL BE MADE WITH APPROVED SOLDERLESS CONNECTORS. ALL JOINTS IN CABLES NO.6 AND LARGER SHALL BE INSULATED AND TAPED.

- 8.5. NEUTRAL CONDUCTORS SHALL NOT BE BROKEN AT ANY DUPLEX RECEPTACLE, LIGHTING FIXTURE OR SIMILAR WIRING DEVICE IN MULTI-WIRE (3 WIRE OR 4 WIRE) CIRCUITS. GROUNDED NEUTRAL SHALL NOT DEPEND ON DEVICE CONNECTIONS FOR CONTINUITY. NEUTRAL WIRES CAN BE SPLICED TOGETHER WITH PIGTAIL TO NEUTRAL TERMINAL ON RECEPTACLE, LIGHTING FIXTURE OR SIMILAR DEVICE. IF DEVICE OR FIXTURE IS REMOVED, NEUTRAL WILL REMAIN CONTINUOUS.
- 8.6. PROVIDE AN INDIVIDUAL NEUTRAL CONDUCTOR FOR EACH BRANCH CIRCUIT. H
9. EQUIPMENT CONNECTIONS
 - 9.1. MAKE CONNECTIONS TO ALL MOTORS, MOTOR CONTROLLERS AND ELECTRICALLY OPERATED EQUIPMENT WHETHER FURNISHED AS A PART OF THIS CONTRACT OR FURNISHED BY THE OWNER FOR INSTALLATION UNDER THIS CONTRACT. FURNISH AND INSTALL ALL CONDUITS AND CONDUCTORS REQUIRED FOR THESE CONNECTIONS AND FOR CONTROL WIRING AS INDICATED BY ELECTRICAL IN OTHER SECTIONS.
10. DISCONNECT SWITCHES AND CONTROL WIRING
 - 10.1. FURNISH AND INSTALL HORSE POWER RATED DISCONNECT SWITCHES FOR ALL MOTORS, CONTROL CIRCUITS AND OTHER ELECTRICAL EQUIPMENT AS REQUIRED BY CODE WHETHER OR NOT SHOWN ON THE DRAWINGS. A DISCONNECT SWITCH SHALL BE LOCATED WITHIN SIGHT FROM THE CONTROLLER DISCONNECT LOCATION. WHERE A MOTOR IS NOT WITHIN SIGHT FROM THE CONTROLLER DISCONNECT LOCATION, AN ADDITIONAL DISCONNECTING SWITCH SHALL BE PROVIDED WITHIN SIGHT OF THE MOTOR LOCATION.

DIVISION OF THE STATE ARCHITECT




VENTURA COUNTY COMMUNITY COLLEGE DISTRICT
761 EAST DAILY DRIVE
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PROJECT TITLE AND SCHOOL LOCATION

24-VCCCD-018- REPLACE AUTO LIFTS AT WAM

4667 TELEGRAPH RD. VENTURA, CA 93003

COMMISSIONED ARCHITECT



28328 AGOURA RD. 203 | AGOURA HILLS CA 91011 | 909-530-3688

CONSULTANT



An MBE|SBE|DBE|SBE Firm
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STAMPS/SEALS




SHEET TITLE:

ELECTRICAL SPECIFICATIONS

PROJECT NO: 24-VCCCD-018	PROJECT ARCH: WJA
DRAWN: MC	CHECKED:
E101	
DATE: 8/15/2024	SHEET: ___ OF ___

I:\24-160 Amador Ventura CC WAM - Outdoor Rack RPLC Auto Shop(E101-160) - E101 ELECTRICAL SPECIFICATIONS.dwg, 8/22/2024 3:58:58 PM, partick



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COMMISSIONED ARCHITECT

AMADOR

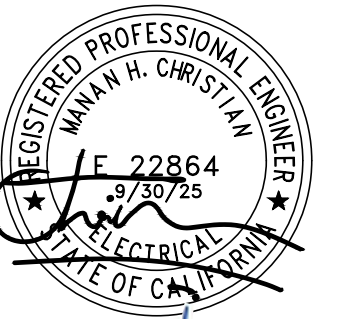
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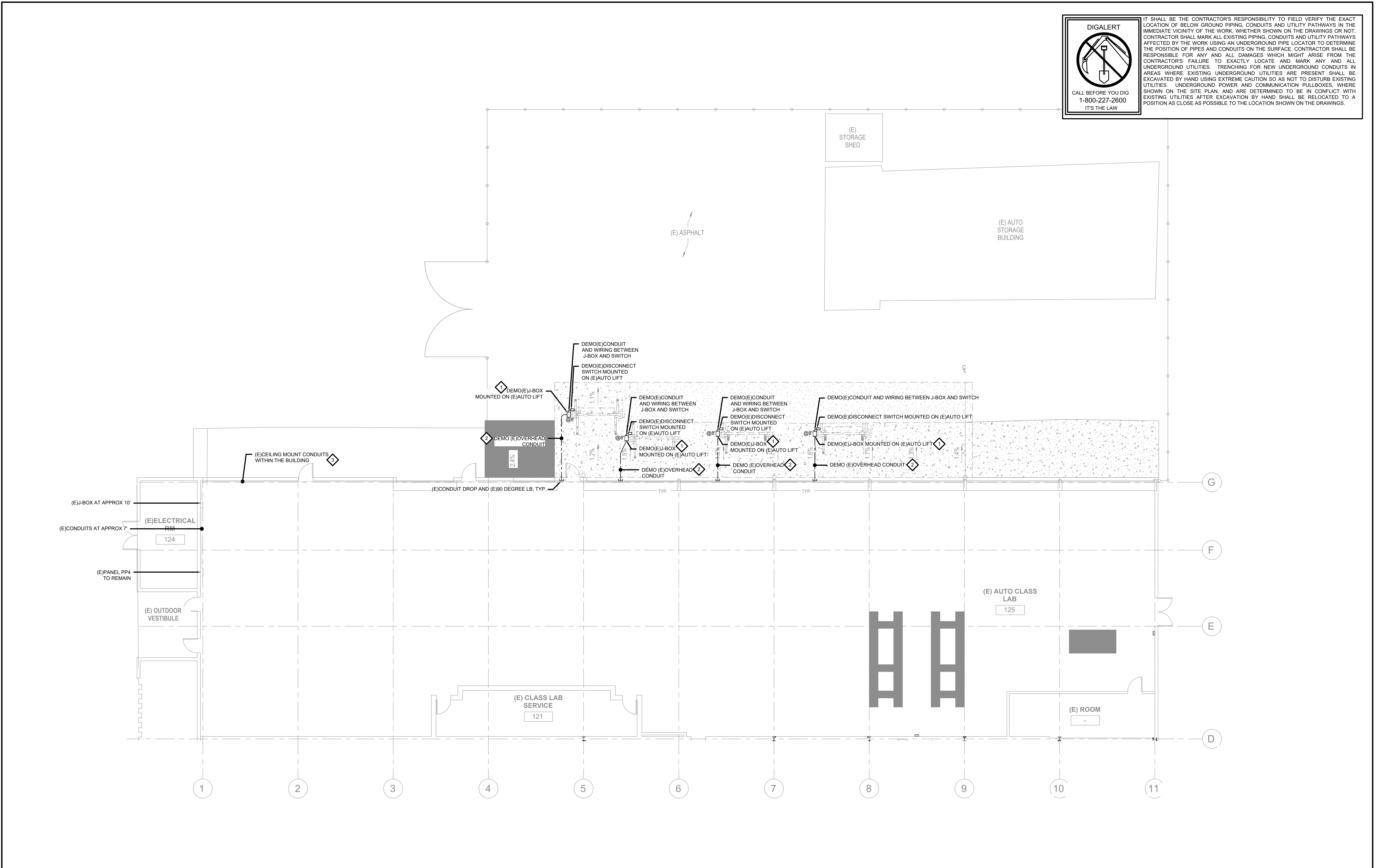


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STAMPS/SEALS



IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF BELOW GROUND PIPING, CONDUITS AND UTILITY PATHWAYS IN THE IMMEDIATE VICINITY OF THE WORK, WHETHER SHOWN ON THE DRAWINGS OR NOT. CONTRACTOR SHALL MARK ALL EXISTING PIPING, CONDUITS AND UTILITY PATHWAYS AFFECTED BY THE WORK USING AN UNDERGROUND PIPE LOCATOR TO DETERMINE THE POSITION OF PIPES AND CONDUITS ON THE SURFACE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT ARISE FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND MARK ANY AND ALL UNDERGROUND UTILITIES. TRENCHING FOR NEW UNDERGROUND CONDUITS IN AREAS WHERE EXISTING UNDERGROUND UTILITIES ARE PRESENT SHALL BE EXCAVATED BY HAND USING EXTREME CAUTION SO AS NOT TO DISTURB EXISTING UTILITIES. UNDERGROUND POWER AND COMMUNICATION PULLBOXES, WHERE SHOWN ON THE SITE PLAN, AND ARE DETERMINED TO BE IN CONFLICT WITH EXISTING UTILITIES AFTER EXCAVATION BY HAND SHALL BE RELOCATED TO A POSITION AS CLOSE AS POSSIBLE TO THE LOCATION SHOWN ON THE DRAWINGS.



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

DEMOLITION GENERAL NOTES

- ALL ITEMS ON THIS SHEET ARE EXISTING (E) TO REMAIN, UNLESS OTHER NOTED AS DEMOLISHED (E), REMOVED (R) OR NEW (N)
- (E) CONDUITS SHOWN ARE BASED ON VISUAL INSPECTION AND ARE FOR REFERENCE ONLY. CONTRACTOR MUST TRACE AND IDENTIFY (E) CONDUITS RELATED AUTOLIFT POWER. REMOVE (E) WIRING AUTOLIFT POWER WIRING WITHIN THE (E) CONDUITS AND ABANDON CEILING MOUNT CONDUITS WITHIN THE BUILDING. DEMO THE CONDUITS SHOWN ON THE PLANS. CONTRACTOR MAY RE-USE (E) AUTOLIFT POWER CONDUITS FOR (N) WIRING. CONTRACTOR MUST PROVIDE A WRITTEN RFI WITH (E) CONDUIT PICTURES, CONDUIT ROUTING, CONDUIT SIZE AND CONDITION PRIOR TO BEGINNING OF WORK
- (E) CONDUIT ROUTING SHOWN ON THE DRAWINGS IS FOR REFERENCE ONLY. CONTRACTOR MUST FIELD VERIFY THE (E) CONDUIT ROUTING OF EACH AUTOLIFT BACK TO SOURCE PANEL.
- PATCH, REPAIR & PAINT ANY PENETRATIONS IN WALLS FROM REMOVED CONDUITS. FINISH PER ARCHITECTURAL DRAWINGS.

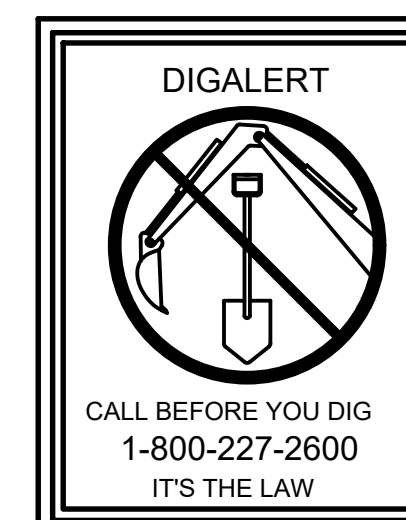
DEMO KEYNOTES

- DEMOLISH (E) JUNCTION BOX RELATED AND RELATED WIRING BACK TO SOURCE. TRACE, IDENTIFY AND PROTECT (E) CIRCUIT FEEDING AUTOLIFT PRIOR TO DEMOLITION WORK.
- DEMOLISH (E) OVERHEAD CONDUIT FOR THE JUNCTION UP TO THE BUILDING FACE. REMOVE (E) WIRES BACK TO SOURCE. TRACE, IDENTIFY AND PROTECT (E) CIRCUIT FEEDING AUTOLIFT PRIOR TO DEMOLITION WORK.
- REMOVE (E) AUTOLIFT POWER WIRING FROM THE CONDUITS BACK TO SOURCE. CUT AND CAP ANY UNUSED CEILING MOUNT CONDUITS AND LABEL THEM AS SPARE

SHEET TITLE:
ELECTRICAL POWER PLAN - DEMOLITION

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
 DRAWN: MC CHECKED:
 SHEET NUMBER:
E201D
 DATE: 8/15/2024 SHEET: OF

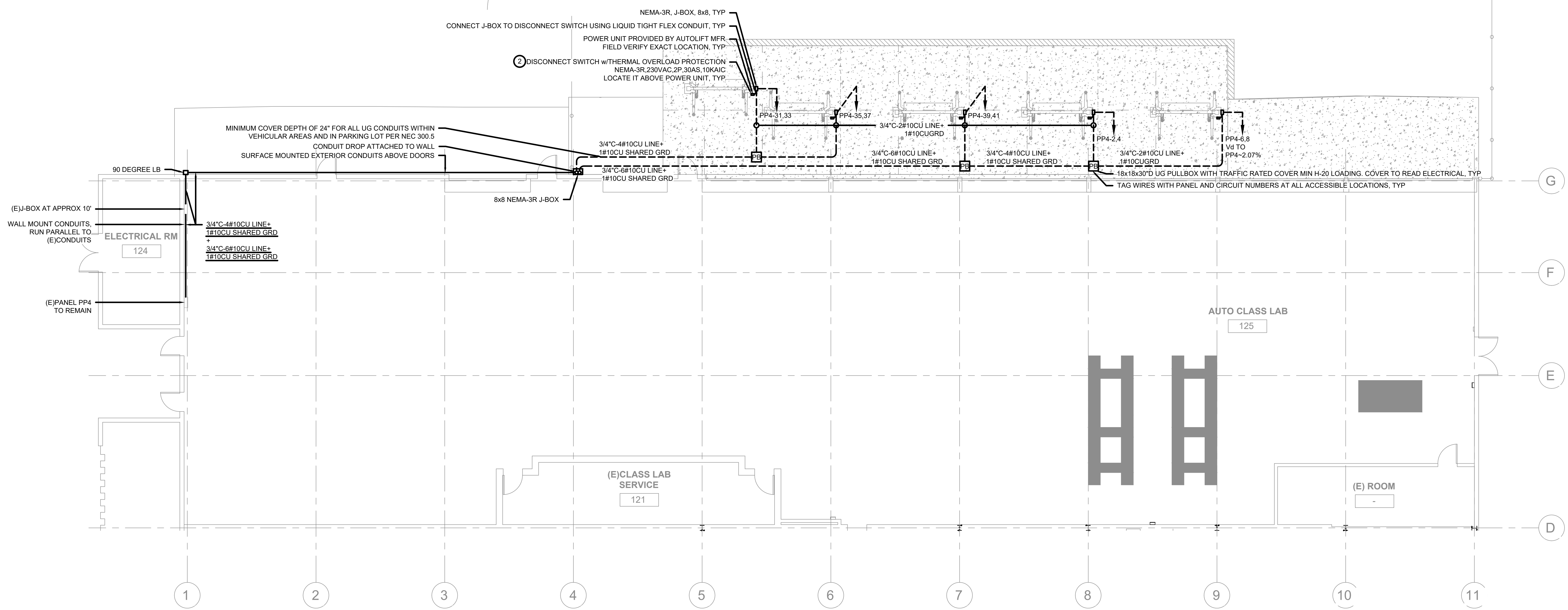
1/24-160 Amador Ventura CC WAM - Outdoor Rack RPLC Auto Shop E201D ELECTRICAL FLOOR PLAN.dwg 8/22/2024 3:59:05 PM jpark



IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE EXACT LOCATION OF BELOW GROUND PIPING, CONDUITS AND UTILITY PATHWAYS IN THE IMMEDIATE VICINITY OF THE WORK, WHETHER SHOWN ON THE DRAWINGS OR NOT. CONTRACTOR SHALL MARK ALL EXISTING PIPING, CONDUITS AND UTILITY PATHWAYS AFFECTED BY THE WORK USING AN UNDERGROUND PIPE LOCATOR TO DETERMINE THE POSITION OF PIPES AND CONDUITS ON THE SURFACE. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT ARISE FROM THE CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND MARK ANY AND ALL UNDERGROUND UTILITIES. TRENCHING FOR NEW UNDERGROUND CONDUITS IN AREAS WHERE EXISTING UNDERGROUND UTILITIES ARE PRESENT SHALL BE EXCAVATED BY HAND USING EXTREME CAUTION SO AS NOT TO DISTURB EXISTING UTILITIES. UNDERGROUND POWER AND COMMUNICATION PULLBOXES, WHERE SHOWN ON THE SITE PLAN, AND ARE DETERMINED TO BE IN CONFLICT WITH EXISTING UTILITIES AFTER EXCAVATION BY HAND SHALL BE RELOCATED TO A POSITION AS CLOSE AS POSSIBLE TO THE LOCATION SHOWN ON THE DRAWINGS.

(E)PANEL: PP4										120/208 VOLT, 3 PH, 4W										(E)225A BUS		
FEED: TOP										MOUNTING: SURFACE MOUNT										MAIN BRKR AIC: N/A		
NEMA: NEMA-1										PANEL RATING: EXISTING										BRANCH BRKR AIC: 10KA		
VA LOAD										LOAD DESCRIPTION										LOAD: 11.0 kVA 34 AMPS		
CR	LINE A	LINE B	LINE C	LOAD DESCRIPTION	OUTLETS	CR	LINE A	LINE B	LINE C	LOAD DESCRIPTION	OUTLETS	CR	LINE A	LINE B	LINE C	VA LOAD	CR					
1				(E)LOAD		3	40			(N)AUTOLIFT-4						1373	2					
2				(E)LOAD		25	2			(N)AUTOLIFT-5							2					
3				(E)LOAD		20	1			(E)LOAD(N OFF POSITION)							6					
4				(E)LOAD		20	1			(E)LOAD(N OFF POSITION)							8					
5				(E)LOAD		1	20			(E)LOAD							10					
6				(E)LOAD		2	40			(E)LOAD							14					
7				(E)LOAD		2	40			(E)LOAD							16					
8				(E)LOAD		3	20			(E)LOAD							18					
9				(E)LOAD		2	40			(E)LOAD							20					
10				(E)LOAD		2	40			(E)LOAD							22					
11				(E)LOAD		1	20			(E)LOAD							24					
12				(E)LOAD		2	40			(E)LOAD							26					
13				(E)LOAD		2	40			(E)LOAD							28					
14				(E)LOAD		1	20			(E)LOAD							30					
15	1373			(N)AUTOLIFT-1		2	25			(E)LOAD							32					
16	1373			(N)AUTOLIFT-2		2	25			(E)LOAD							34					
17	1373			(N)AUTOLIFT-3		2	25		3	(E)LOAD							36					
18																	38					
19																	40					
20																	42					
SUB - TOTALS																1373	1373	0				
LINE TOTALS																4119	4119	2746				
LCL ADDER																0	0	0				
TOTAL VA PER PHASE																4119	4119	2746				
LINE AMPS																34	34	23				

PANEL PP4 SCHEDULE



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

GENERAL NOTES

- ALL ITEMS ON THIS SHEET ARE NEW(N) UNLESS OTHERWISE NOTED AS EXISTING(E) OR REPLACED(E)
- CONTRACTOR MAY RE-USE EXISTING CONDUITS IN FIELD FOR THE PROJECT. CONTRACTOR MUST PROVIDE A WRITTEN RFI WITH (E)CONDUIT PICTURES, CONDUIT ROUTING AND CONDITION PRIOR TO BEGINNING OF WORK
- PROVIDE STRUCTURAL, SUPPORTS, BRACINGS, BACKINGS AS REQUIRED FOR ALL ELECTRICAL EQ. CONDUITS
- MAINTAIN CODE REQUIRED WORKING CLEARANCE FOR ALL ELECTRICAL EQ.
- ALL ELECTRICAL EQ. LOCATED OUTSIDE OR ON EXTERIOR SHALL BE OFF NEMA-3R TYPE AND SHALL BE PROVIDED WITH WEATHERPROOF COVER
- USE PVC SCH40, FOR UNDERGROUND CONDUITS, EMT FOR INTERIOR EXPOSED, CONCEALED CONDUITS, RGS FOR EXTERIOR EXPOSED CONDUITS. LBS OR ANY OTHER FITTINGS SHALL BE COMPATIBLE WITH CONDUIT MATERIALS
- LABEL/TAG ALL ELECTRICAL EQ. INCLUDING BUT NOT LIMITED TO DISCONNECTS, SWITCHES, PANELS, TRANSFORMERS THAT ARE WITHIN THE SCOPE OF WORK
- CIRCUITS SHOWN ON THE PLANS ARE BASED ON THE PERFORMED SITE VISIT. CONTRACTOR MUST PROVIDE A WRITTEN RFI IF THE CIRCUITS SHOWN ON THE PLANS ARE DIFFERENT THAN (E)CIRCUITS TRACED AND IDENTIFIED PRIOR TO DEMO WORK
- ALL CONDUCTORS TO BE COPPER WITH MINIMUM 75 DEGREE RATING INSULATION, RATED FOR MINIMUM 600VAC
- ALL UNDERGROUND CONDUIT COVER DEPTH SHALL BE PER NEC TABLE 300.5.
- PROVIDE CONDUIT BENDS AROUND EXISTING DOWNSPOUTS WHERE OCCURS.

RECONSTRUCTION KEYNOTES

- PROVIDE (N)CONDUIT DROP FROM (E)LB UP TO THE (E)DOOR LEVEL.
- RECONNECT (N)DISCONNECT SWITCH TO (E)CIRCUIT IDENTIFIED PRIOR TO DEMO WORK.



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PROJECT TITLE AND SCHOOL LOCATION
24-VCCCD-018- REPLACE AUTO LIFTS AT WAM
4667 TELEGRAPH RD. VENTURA, CA 93003

COMMISSIONED ARCHITECT

AMADOR

CONSULTANT



STAMPS/SEALS



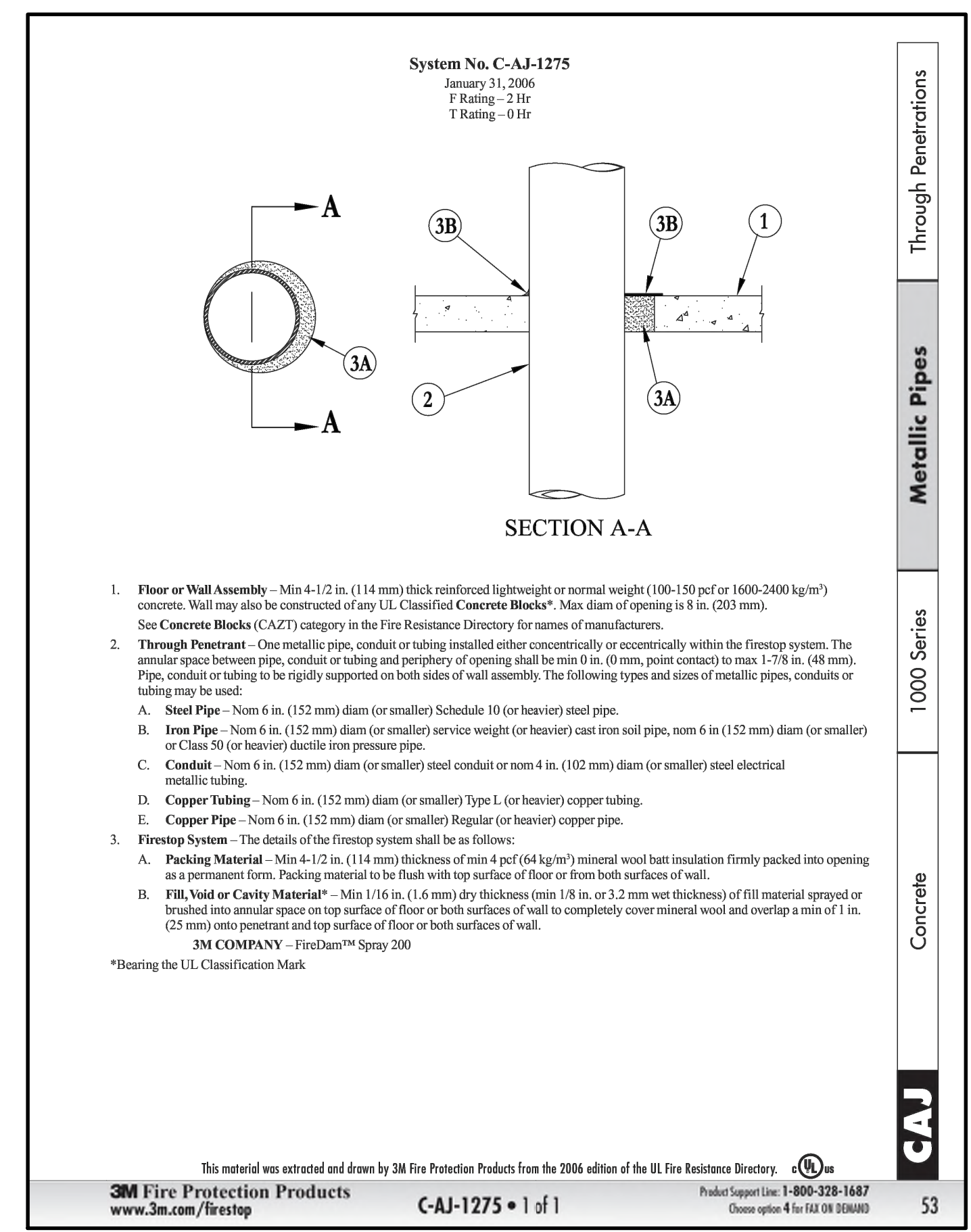
SHEET TITLE:

ELECTRICAL POWER PLAN - NEW

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
DRAWN: MC CHECKED:

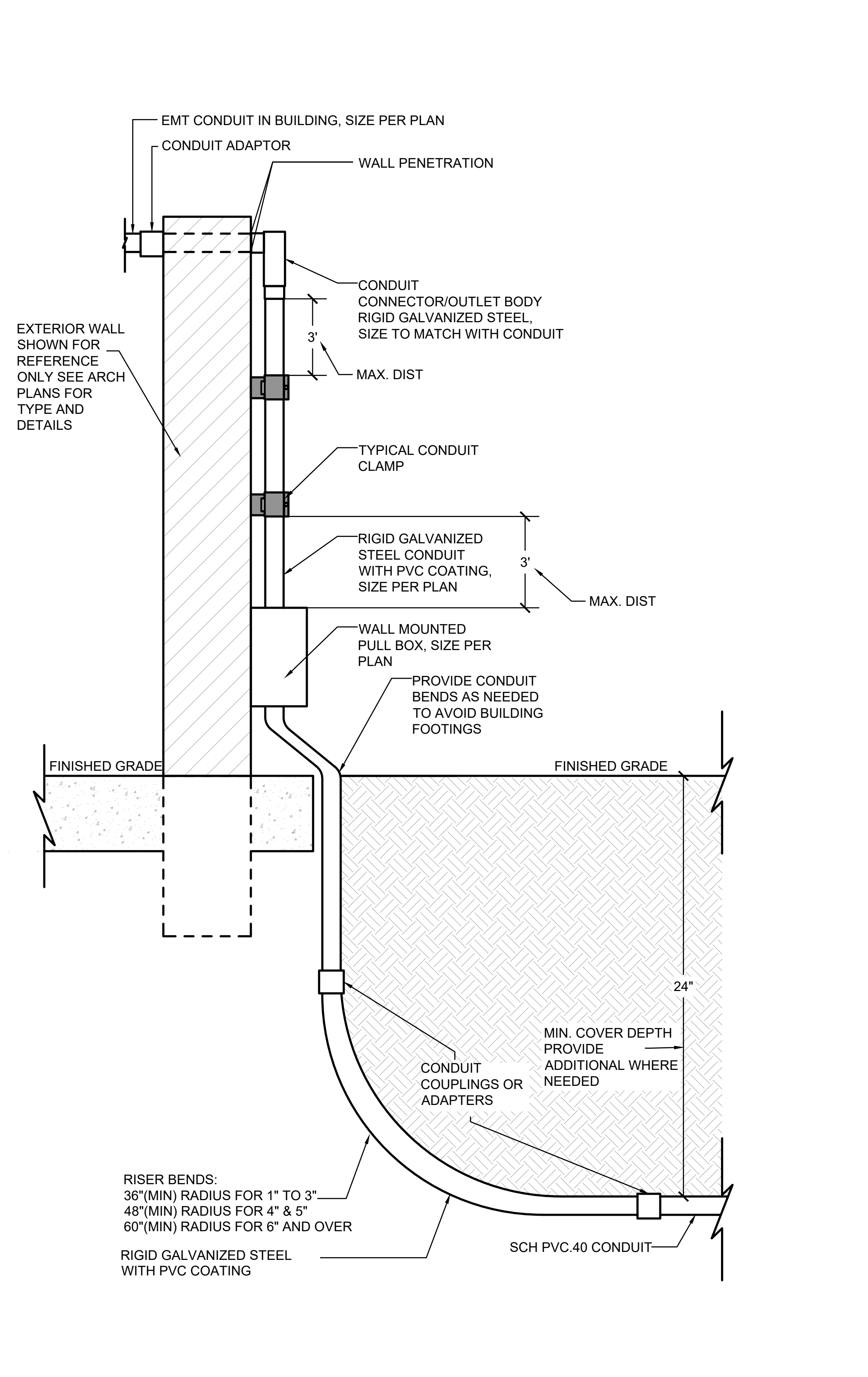
E201

DATE: 8/15/2024 SHEET: OF

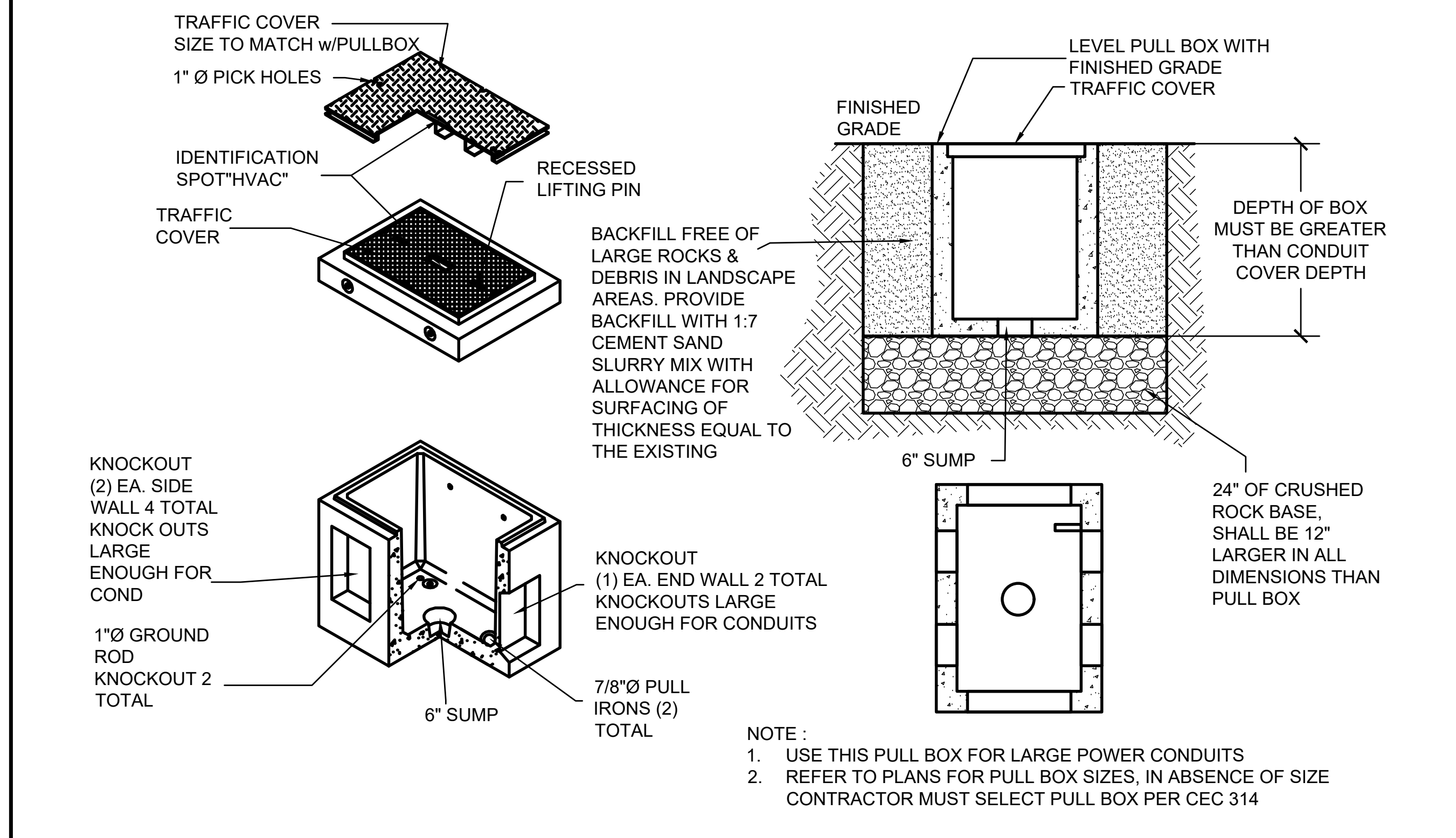


FIRE STOPPING PENETRATION DETAILS-CONCRETE FLOOR OR WALL PENETRATION

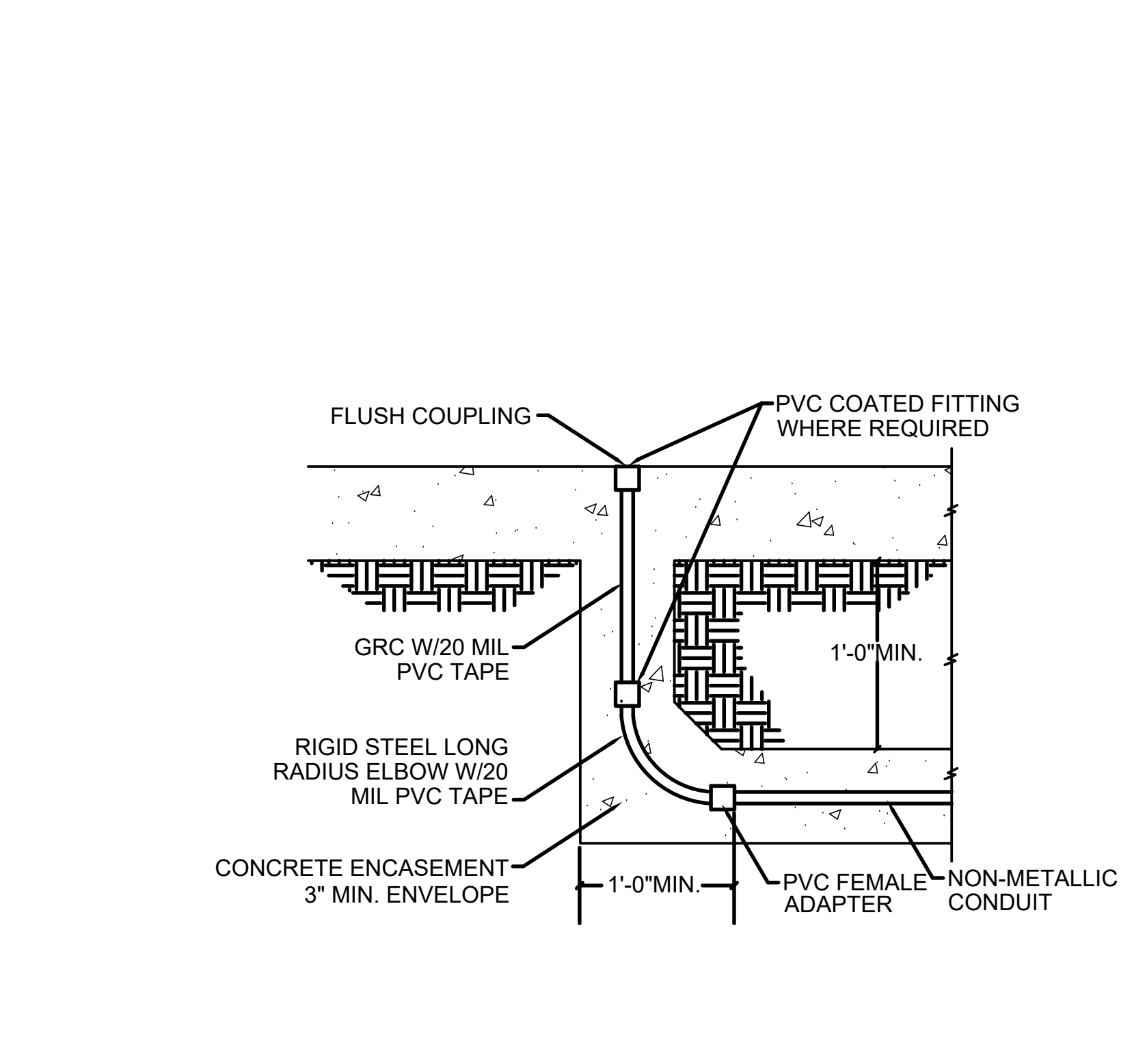
SCALE NTS 6



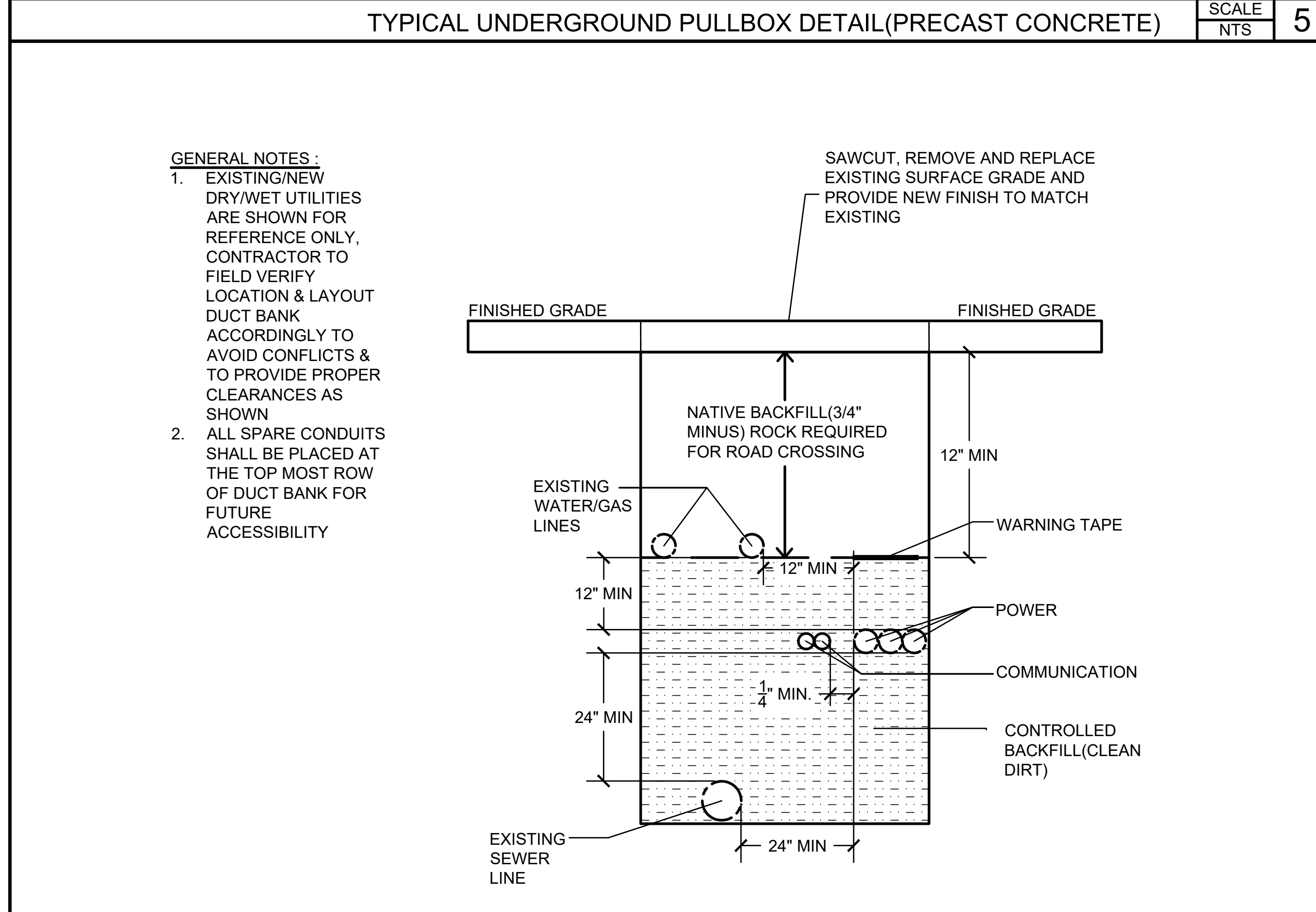
AUTOLIFT ELECTRICAL ELEVATION SCALE NTS 3



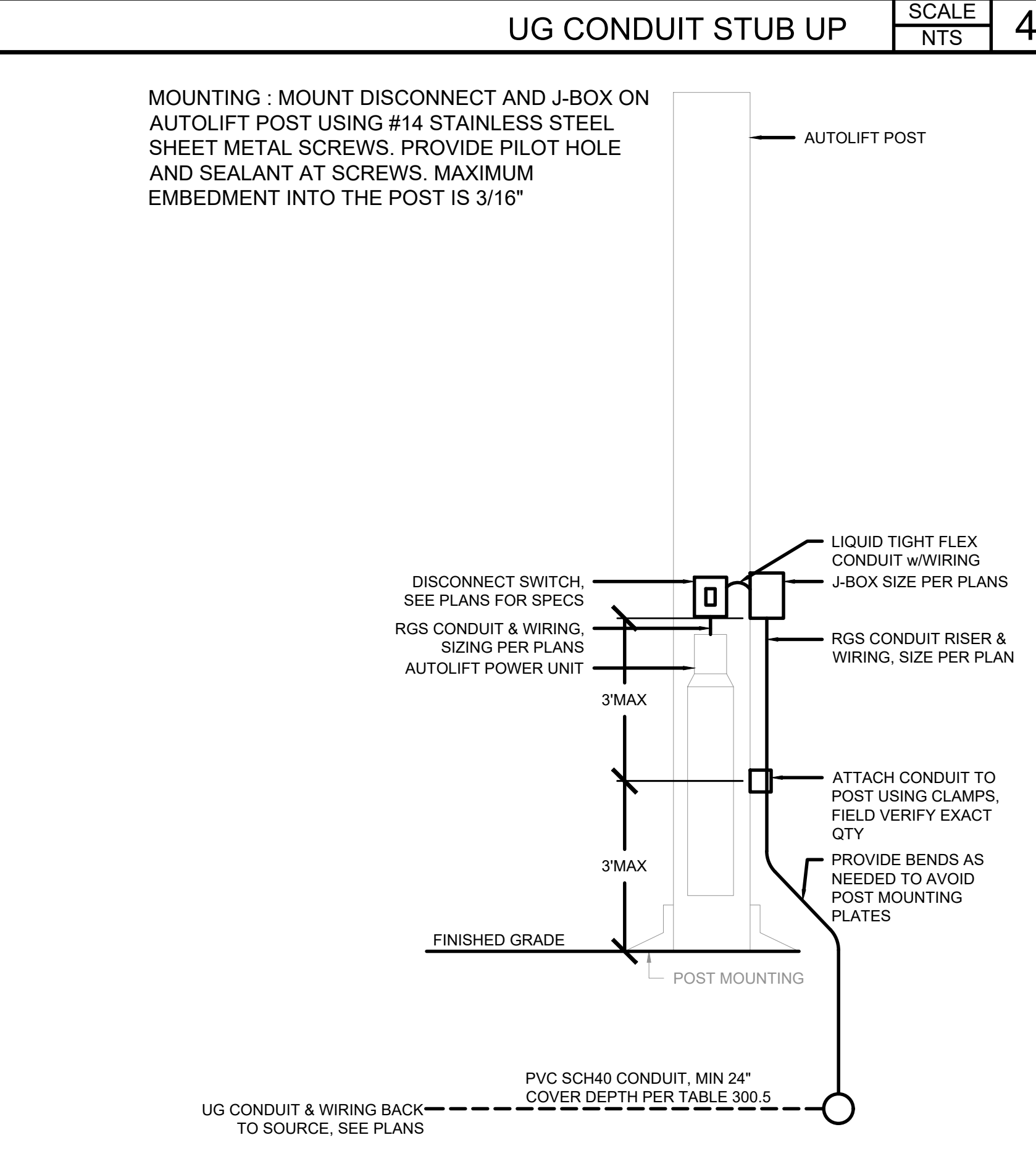
TYPICAL UNDERGROUND PULLBOX DETAIL(PRECAST CONCRETE) SCALE NTS 5



UG CONDUIT STUB UP SCALE NTS 4



TYPICAL UNDERGROUND DIRECTLY BURIED CONDUITS SCALE NTS 2



AUTOLIFT ELECTRICAL ELECTRICAL ELEVATION SCALE NTS 1

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24-VCCCD-018- REPLACE AUTO LIFTS AT WAM
4667 TELEGRAPH RD. VENTURA, CA 93003

COMMISSIONED ARCHITECT

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CONSULTANT

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STAMPS/SEALS

SHEET TITLE:
ELECTRICAL DETAILS

PROJECT NO: 24-VCCCD-018 PROJECT ARCH: WJA
DRAWN: MC CHECKED:
SHEET NUMBER: **E301**

DATE: 8/15/2024 SHEET: OF