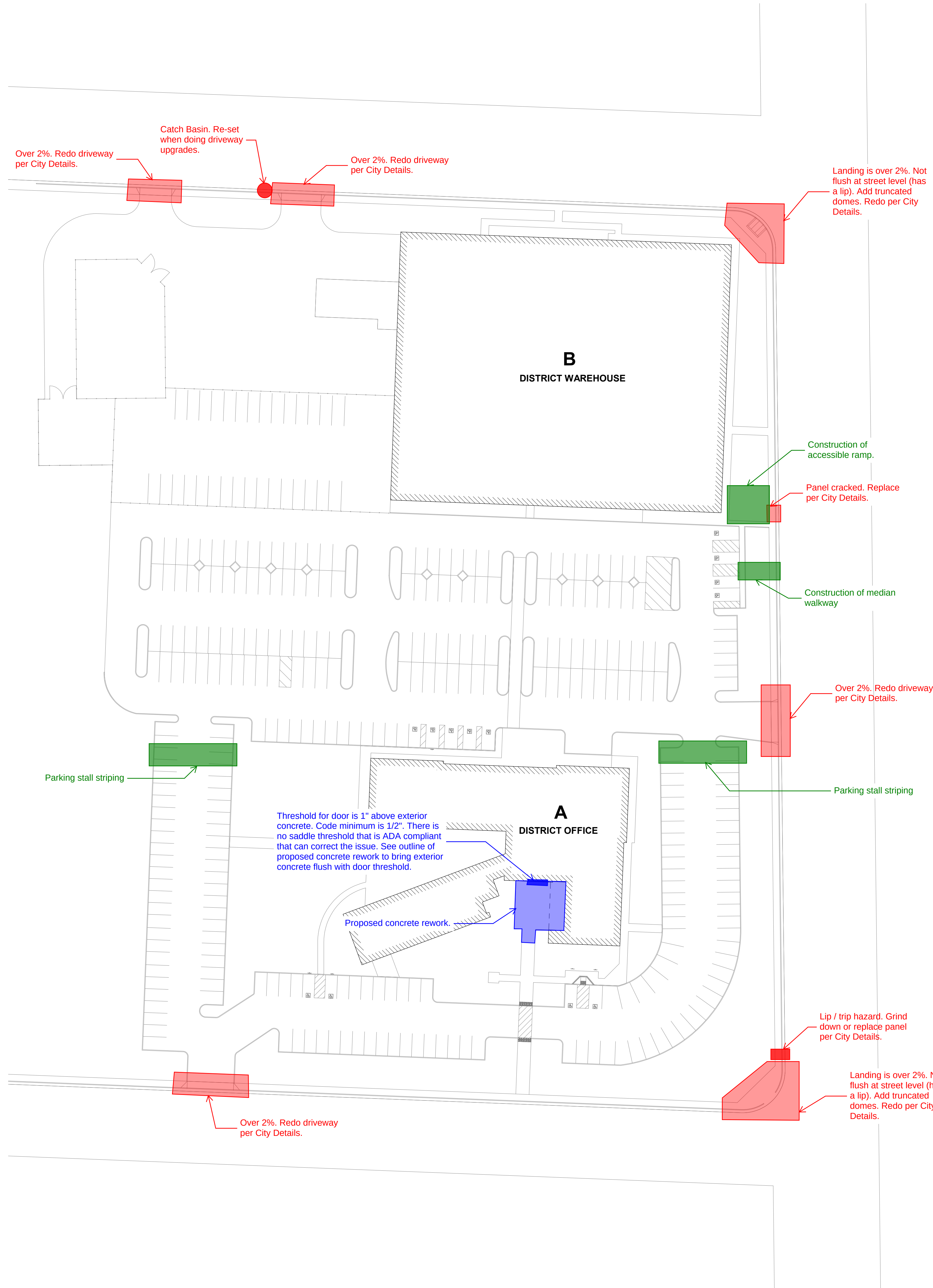


Autodesk Docs: \\3431009000 District Office Server Room Modifications\3431009000-A-DISTRICT OFFICE-SERVER-RM-SITE.v4
10/28/2025 2:14:12 PM

THE LINE SHOWN ABOVE THE
BOUNDARY OF THE SHEET
DOES NOT INDICATE THE
SHEET ORIGIN PAGE SIZE



AGENCY
APPROVAL:



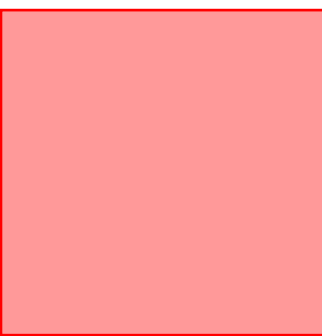
HMC Architects

3431009000

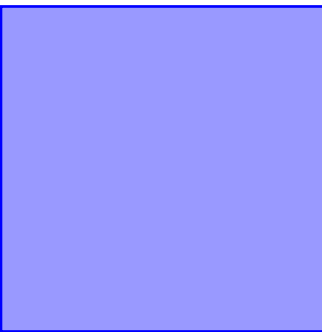
3546 CONCOURS STREET
ONTARIO, CA 91764
909 989 9979 / www.hmcarchitects.com

ISSUE

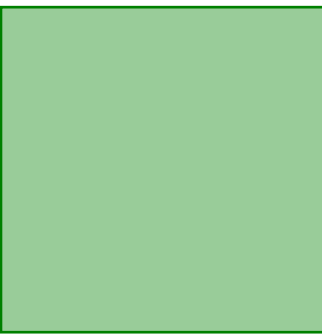
Δ	DESCRIPTION	DATE
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OFF-SITE
IMPROVEMENTS FOR
WAREHOUSE IT
OFFICE PROJECT



ON-SITE ADA
IMPROVEMENTS FOR
DISTRICT OFFICE
FRONT ENTRANCE



ON-SITE ADA
IMPROVEMENTS AND
PARKING STALL
STRIPING FOR
FENCING PROJECT

FACILITY:

LODI UNIFIED SCHOOL DISTRICT WAREHOUSE AND
DISTRICT OFFICE
1305 E VINE ST, LODI, CA 95240

PROJECT:

DISTRICT WAREHOUSE AND DISTRICT OFFICE
OFF-SITE AND ADA CONCRETE UPGRADES

SHEET NAME:

OVERALL SITE PLAN

CONCRETE IMPROVEMENTS

DATE: 10/28/25

CLIENT PROJ NO:

SHEET:

OVERALL SITE PLAN

1

1" = 40'-0"

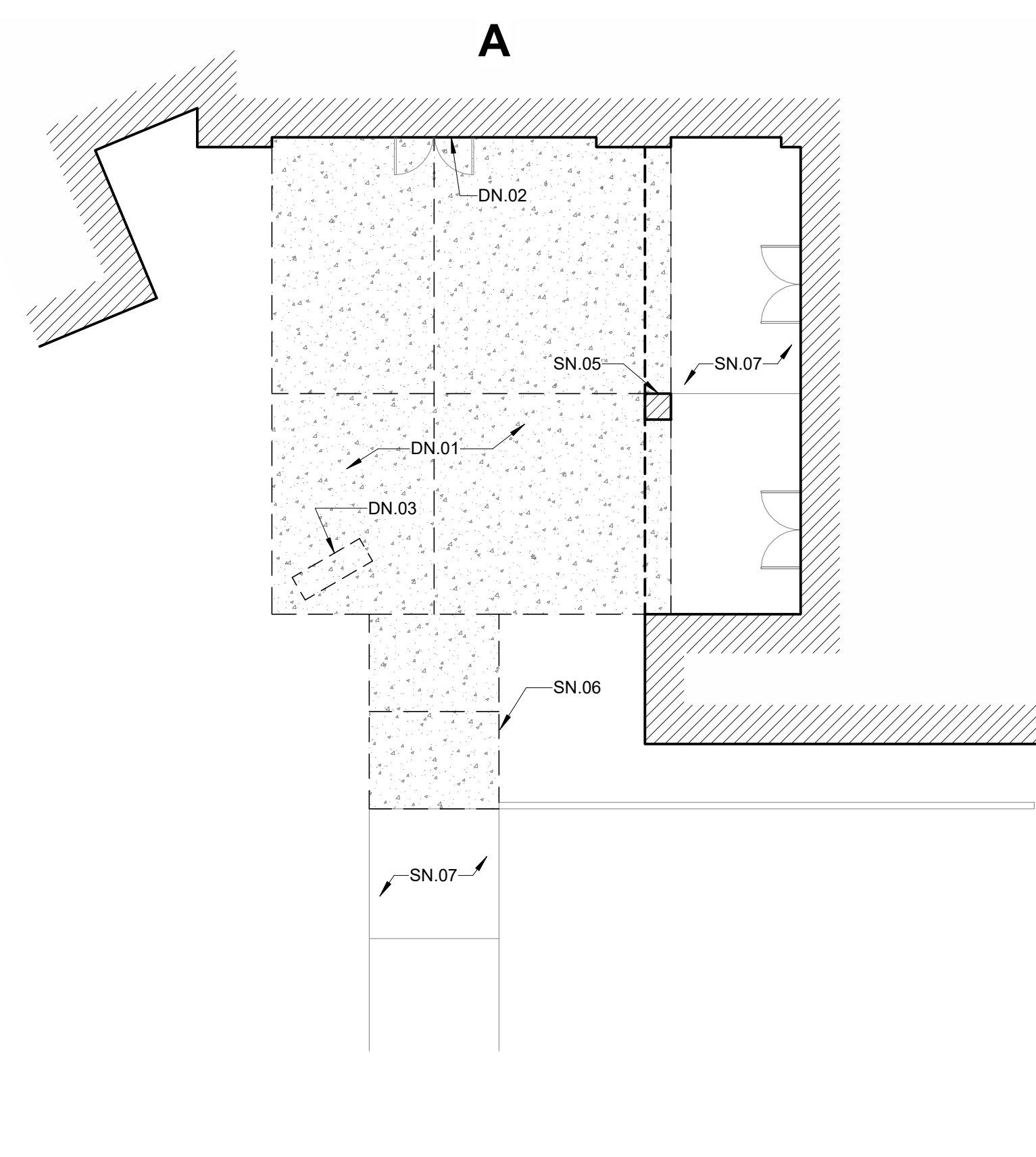
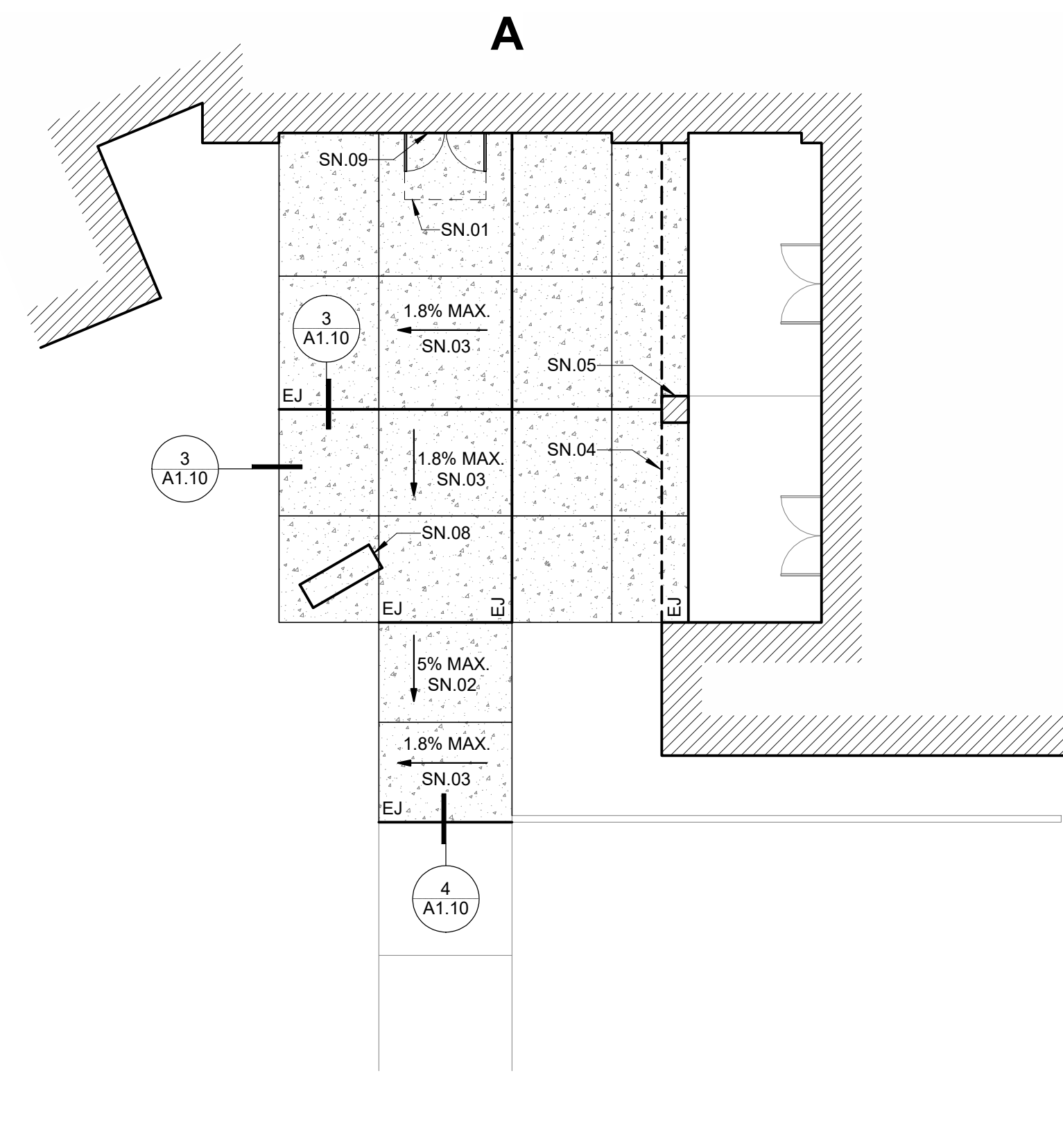
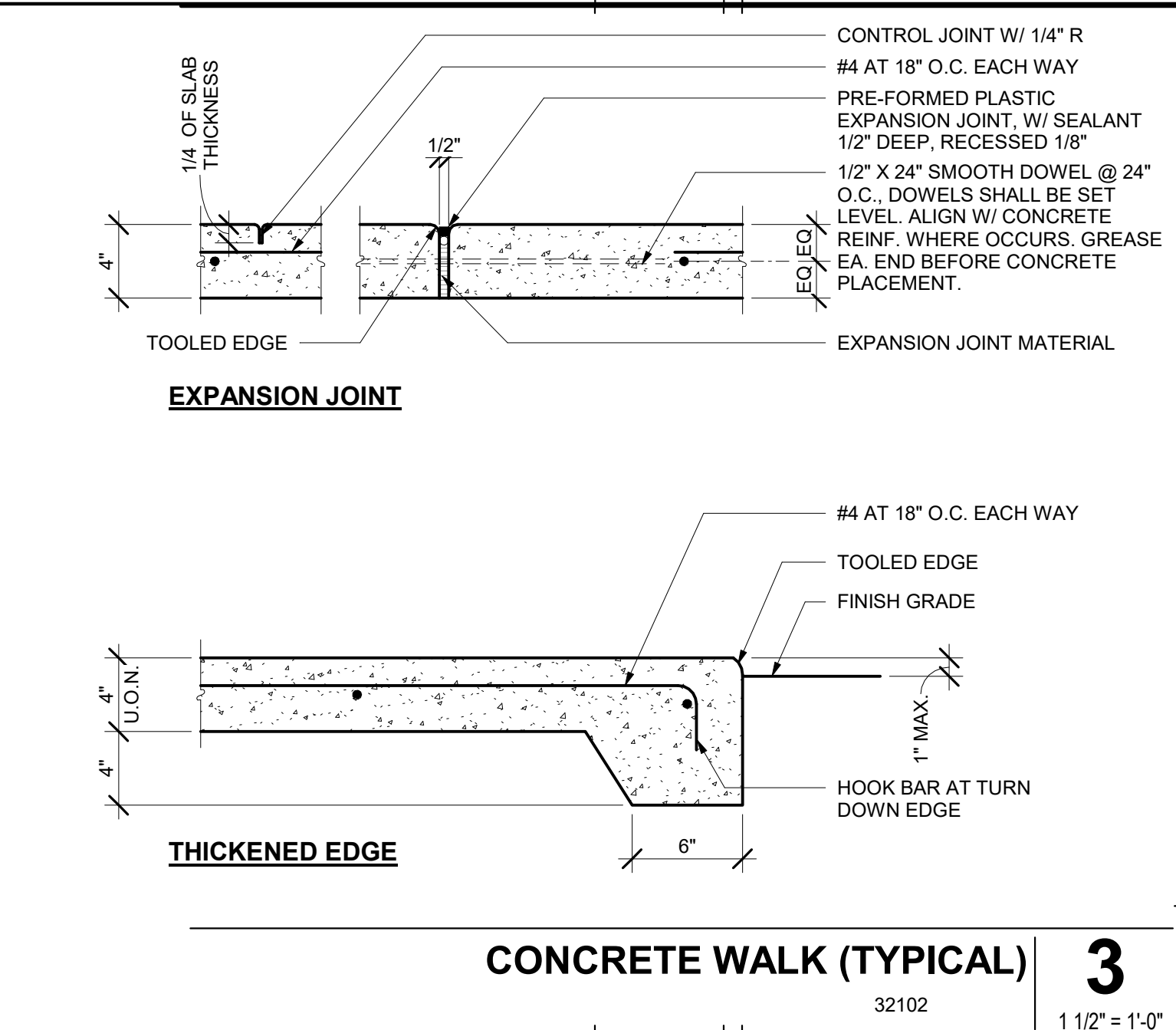
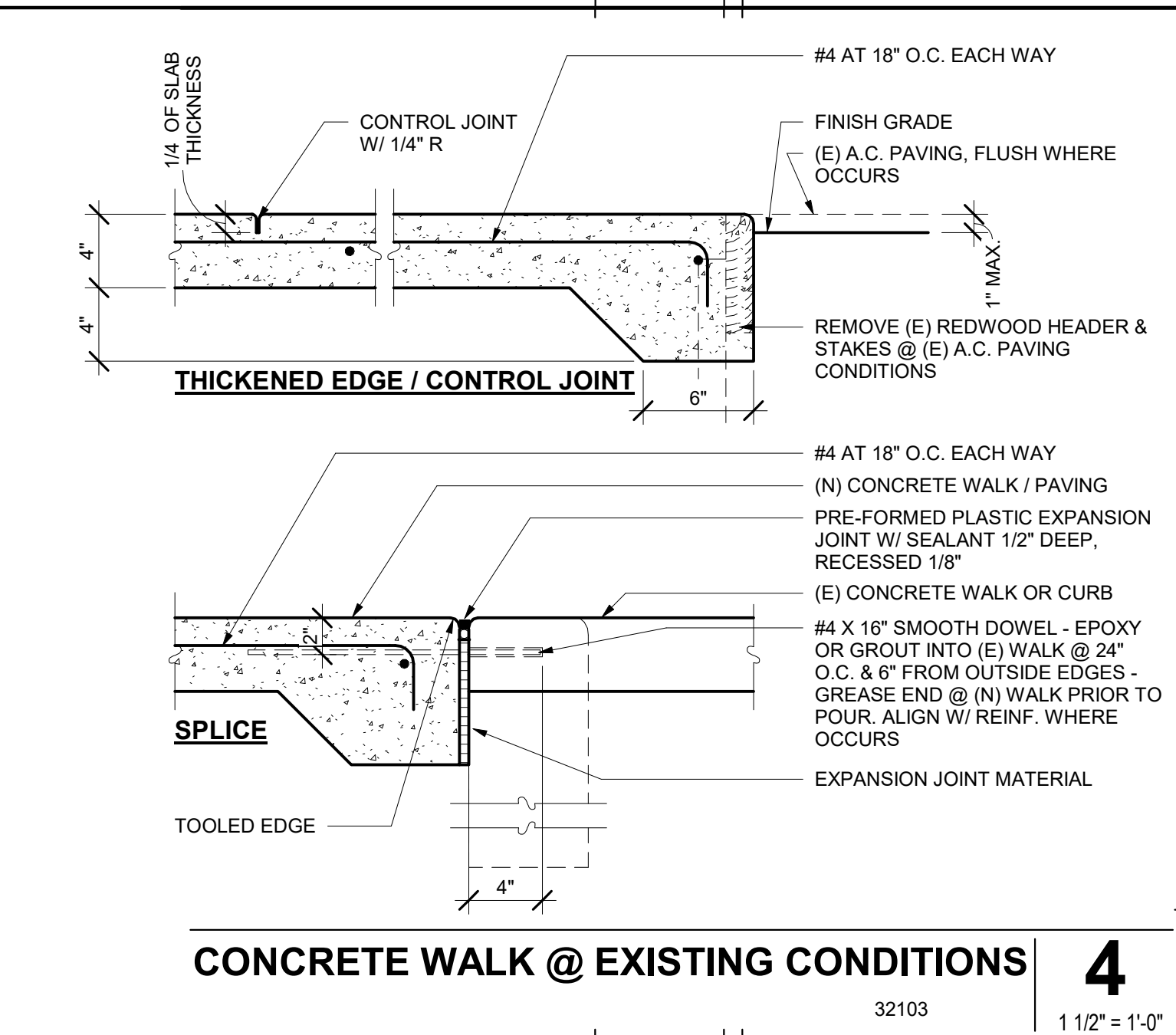
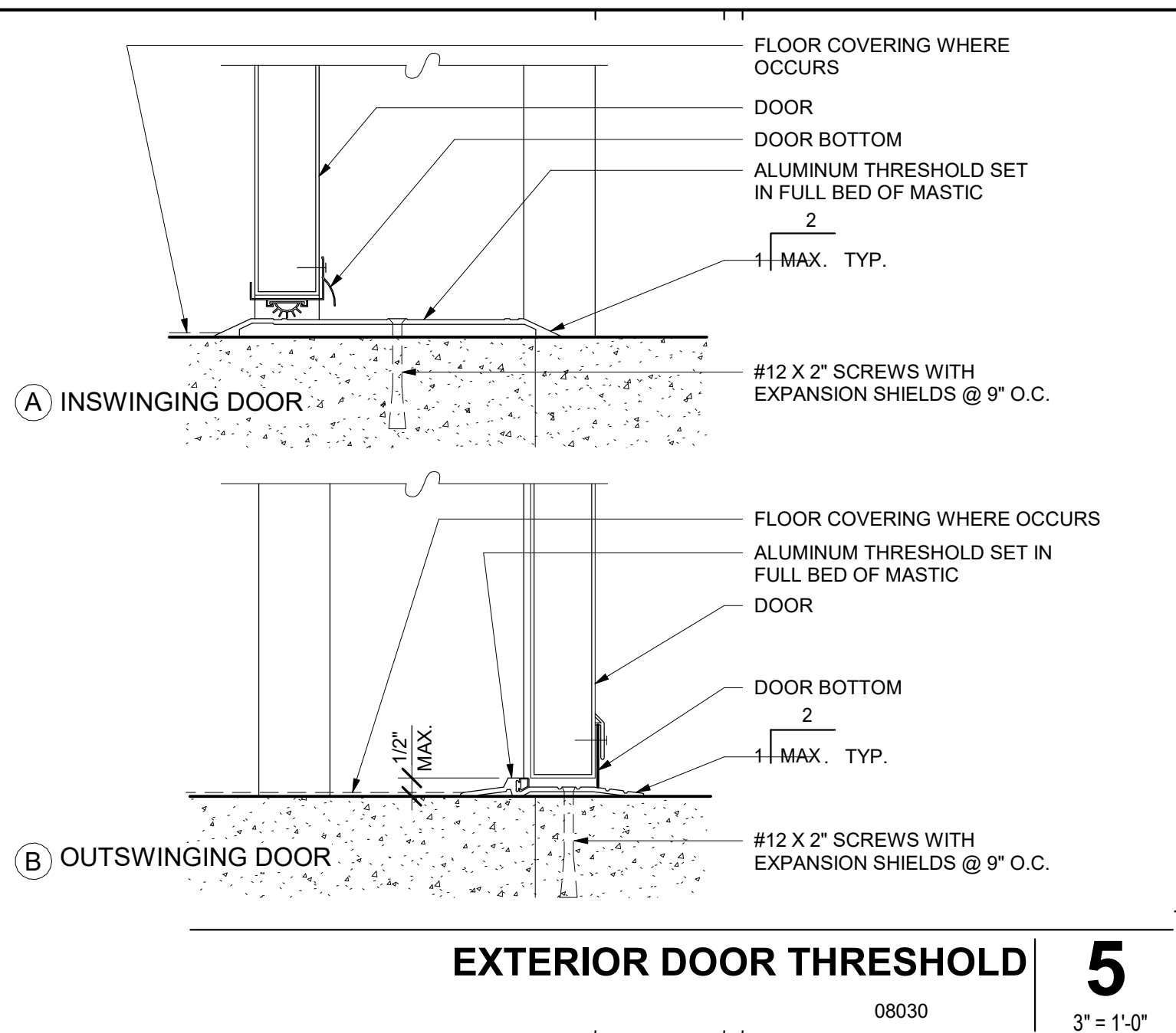


PLEASE RECYCLE

A1.21

Autodesk Docs: \\3431009000 District Office Server Room Modifications\3431009000-A-DISTRICT OFFICE SERVER RM.v1
11/14/2025 10:50:39 AM

THE LINE SHOWN ABOVE THE
EXPANSION JOINT IS THE
SHEET'S ORIGINAL PAGE SIZE



AGENCY
APPROVAL:



HMC Architects

3431009000

ISSUE

DESCRIPTION DATE

LEGEND

- UNIT DESIGNATION
- EXISTING BUILDINGS
- EXPANSION JOINT (20'-0" MAX. SPACING)
- CONCRETE WALK / PAVING
- CONTROL JOINT (10'-0" MAX. SPACING)

CONCRETE DESIGN NOTES

CONCRETE USED FOR EXTERIOR WALKS:

- CONCRETE OF 1" MAX. SIZE AGGREGATE SHALL HAVE 3000 PSI 28 DAY STRENGTH WITH A MAXIMUM WATER TO CEMENTITIOUS MATERIALS RATION OF 0.55. SLUMP LIMIT AT POINT OF FINAL DISCHARGED, DETERMINED BY TEST METHOD ASTM C143, TO BE 4" PLUS OR MINUS 1".
- WALKS TO BE 4" CONCRETE OVER 4" AGGREGATE BASE ON SUBGRADE COMPACTED TO NOT LESS THAN 95%. PROVIDE #4 REINFORCING BARS AT 18" O.C.
- CONCRETE TO HAVE MEDIUM BROOM FINISH; BROOMING DIRECTION SHALL RUN PERPENDICULAR TO SLOPE TO FORM NON-SLIP SURFACE.
- WALK TO HAVE A MAXIMUM CROSS SLOPE OF 1.8%.
- WALK TO BE AT LEVEL OF BUILDING FINISH FLOOR

DEMOLITION NOTES

- DN.01 REMOVE (E) CONCRETE WALK
- DN.02 REMOVE (E) THRESHOLD AT STOREFRONT DOOR
- DN.03 REMOVE AND SALVAGE (E) CONCRETE BENCH FOR REINSTALLATION

SHEET NOTES

- SN.01 60" DOOR LANDING CLEARANCE. SLOPE NOT TO EXCEED 1.8% MAX.
- SN.02 RUNNING SLOPE IN DIRECTION OF PATH OF TRAVEL NOT TO EXCEED 5% MAX.
- SN.03 CROSS SLOPE NOT TO EXCEED 1.8% MAX.
- SN.04 LINE OF OVERHANG ABOVE, SHOWN DASHED
- SN.05 (E) COLUMN, PROTECT IN PLACE DURING CONSTRUCTION
- SN.06 (E) TREE AND ROOTS IN AREA OR WORK, PROTECT IN PLACE DURING CONSTRUCTION
- SN.07 (E) CONCRETE WALK TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION
- SN.08 REINSTALL (E) SALVAGED CONCRETE BENCH
- SN.09 INSTALL EXTERIOR DOOR THRESHOLD PER S/A1.10

FACILITY:

LODI UNIFIED SCHOOL DISTRICT OFFICE
1305 EAST VINE STREET
LODI, CA 95240

PROJECT:

DISTRICT OFFICE SERVER ROOM MODIFICATIONS

SHEET NAME:

PARTIAL DEMOLITION AND IMPROVEMENT SITE PLAN

CONSTRUCTION DOCUMENTS

DATE: 11/14/2025

CLIENT PROJ NO:

SHEET:

A1.10

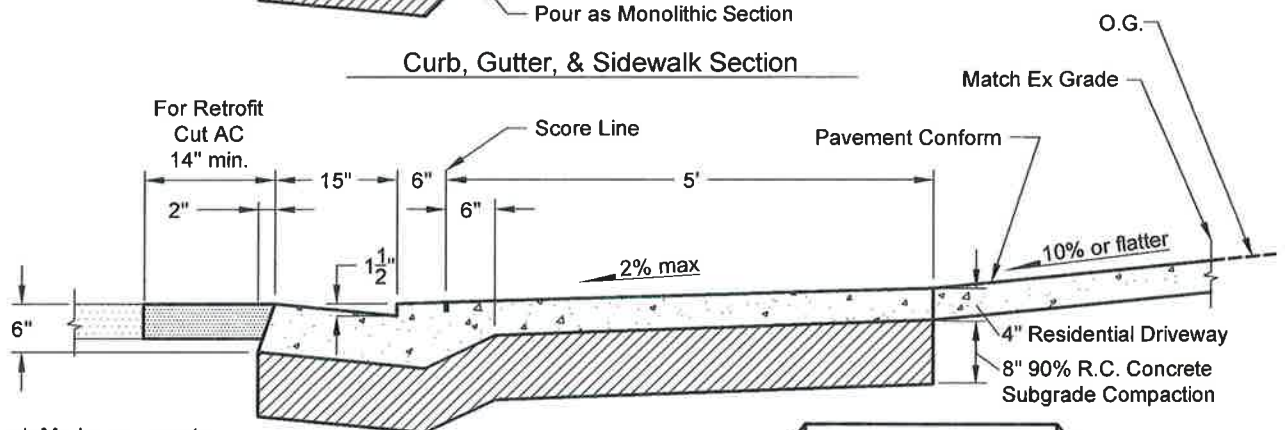
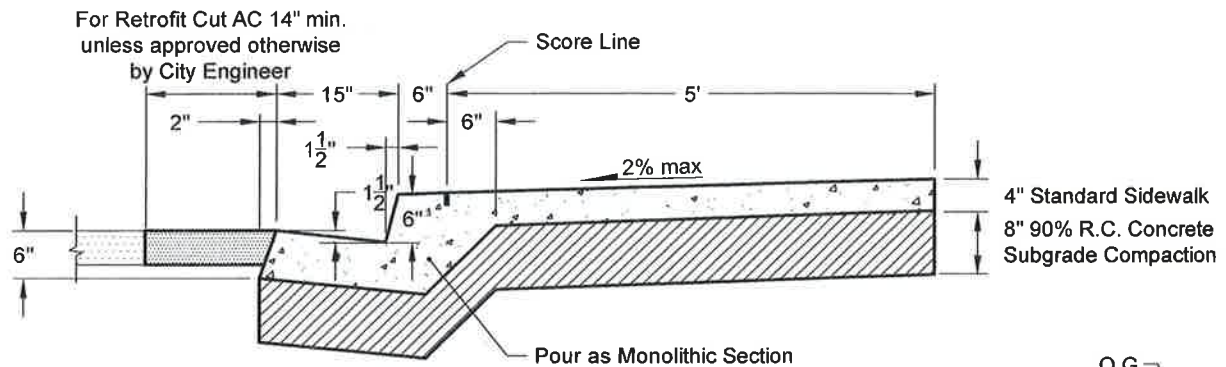
PLEASE RECYCLE ♻️



CITY OF LODI

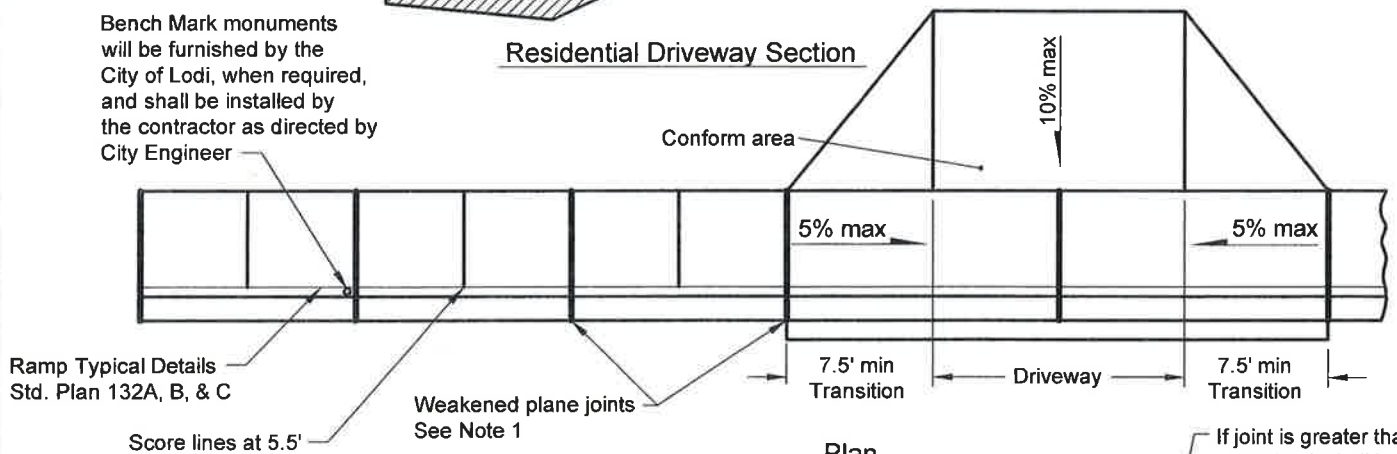
PUBLIC WORKS DEPARTMENT

Square-Type Curb, Gutter, Sidewalk and Residential



Bench Mark monuments
will be furnished by the
City of Lodi, when required,
and shall be installed by
the contractor as directed by
City Engineer

Residential Driveway Section



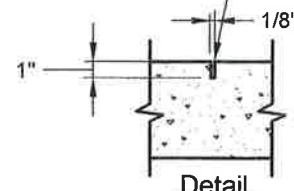
Ramp Typical Details
Std. Plan 132A, B, & C

Plan

Notes:

1. Construct weakened plane joints at 11' intervals, at ends of driveway transitions, and at center of driveway.
2. Use impervious membrane cure. Broom finish.
3. Class B concrete per Section 90 of Std. Spec., 1 1/2" max. aggregate.
4. Construct expansion joints at 200' max.
5. All exposed edges shall be rounded to 1/2" radius.

If joint is greater than
1/4" wide it shall be
filled with petrolastic
material.



Detail
Weakened Plane Joint

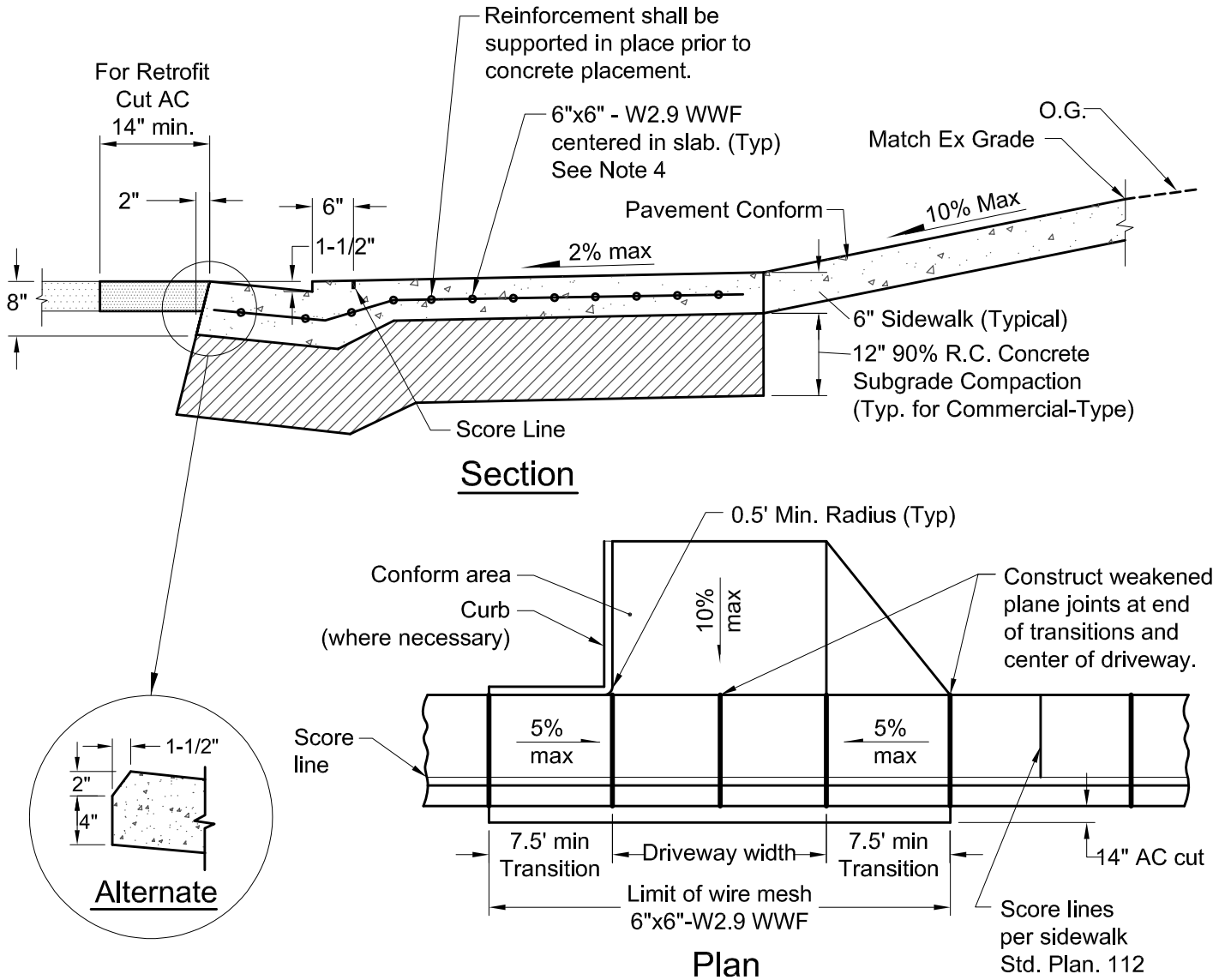
Dr. KT, JP	No. 1	Date 9/07	Revision MINOR REVISIONS	Appr.	Approved By:	11/8/17	STD PLAN
Ch. LC	2	9/17	RAMP SLOPE FROM 8 TO 5%		Lyman Chang City Engineer RCE No. 53149	Date	112
Date							



CITY OF LODI

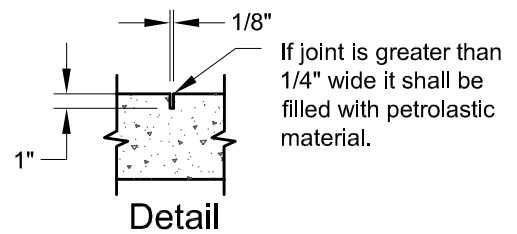
PUBLIC WORKS DEPARTMENT

Commercial-Type Gutter & Driveway



Notes:

1. Use impervious membrane cure. Broom finish.
2. Class B concrete per Section 90 of Std. Spec., 1-1/2" max. aggregate.
3. All exposed edges shall be rounded to 1/2" radius.
4. See Standard Plans 112 and 135 for gutter widths.
5. #4 rebar @ 12" o.c. may be substituted for mesh when approved by the Engineer.



Weakened Plane Joint

Dr.	No.	Date	Revision	Appr.	Approved By:	STD PLAN
KT, JP	1	9/07	MINOR REVISIONS			
Ch. SN	2	9/17	RAMP SLOPE FROM 8 TO 5%			
Date	3	11/22	0.5' MIN RADIUS CURB			
9/23	4	9/23	ADDED NOTE 4 & 8" GUTTER DEPTH			

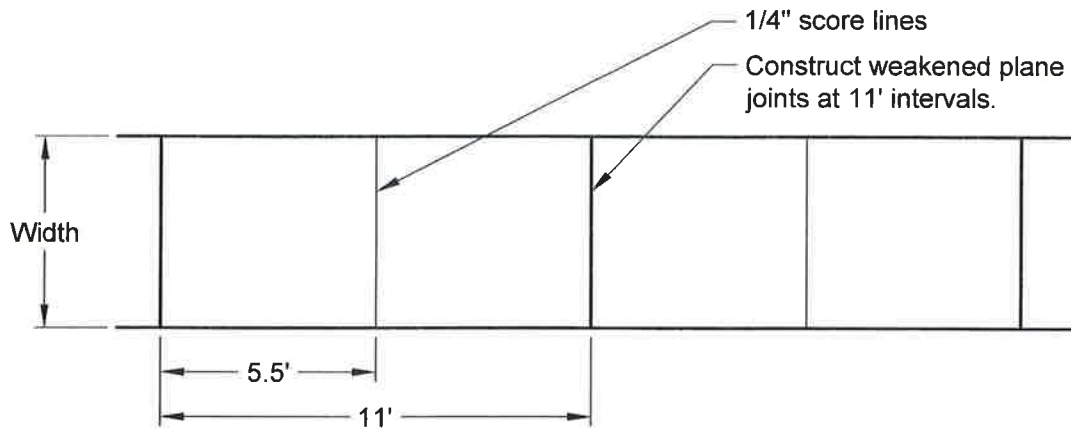
Lyman Chang City Engineer RCE No. 53149	9/27/23 Date	114
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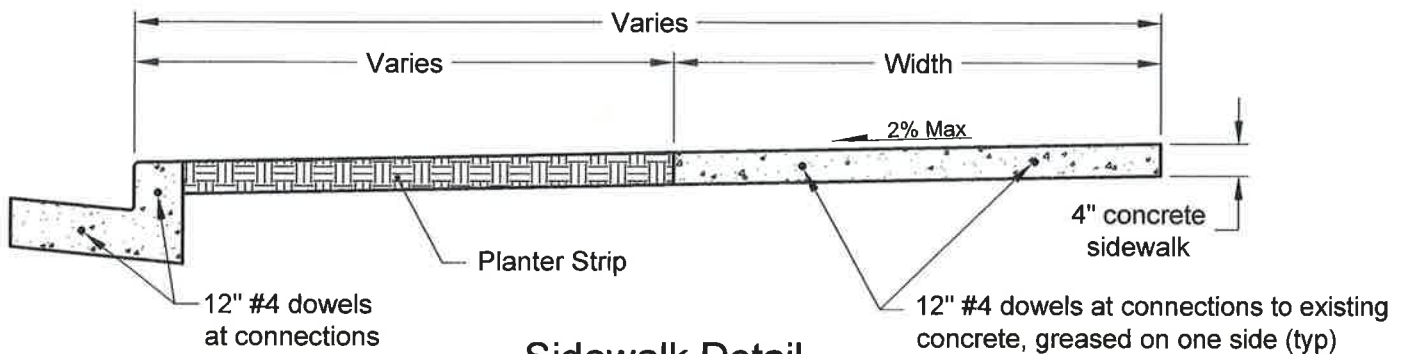
CITY OF LODI

PUBLIC WORKS DEPARTMENT

Sidewalk Repair



Plan

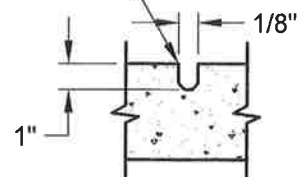


Sidewalk Detail

Notes

1. Match width with adjacent existing sidewalk. For replacement less than 11' match scoring pattern.
2. Concrete shall be 2500 psi @ 28 days. Max. 4" slump. For jobs less than one yard, no static trailer mix, mixer trailer may be used.
3. Construct sidewalk on firm stable subgrade.
4. Light broom finish.
5. Impervious membrane cure.

If joint is greater than 1/4" wide it shall be filled with petrolastic material.



Detail

Weakened Plane Joint

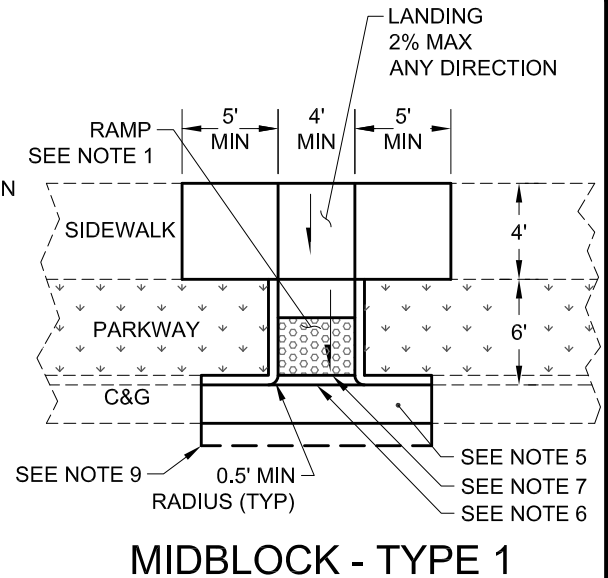
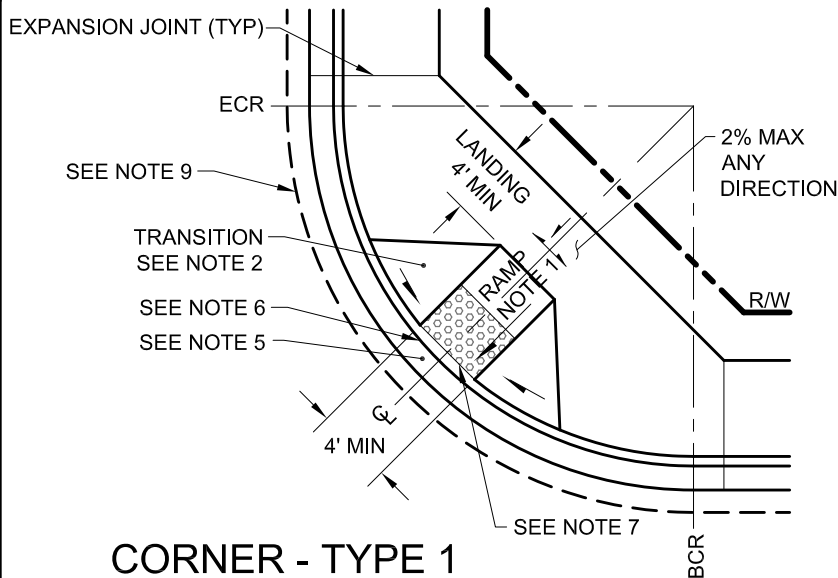
Dr. KT, JP	No.	Date	Revision	Appr.	Approved By:	STD PLAN
Ch. SN					<i>[Signature]</i> 4/8/17	117
Date 11/6/17					Lyman Ching City Engineer RCE No. 53149	



CITY OF LODI

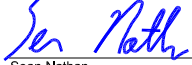
PUBLIC WORKS DEPARTMENT

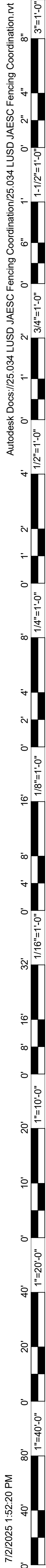
TYPE 1 CURB RAMPS



NOTES

1. RAMP SLOPE 1:12 MAXIMUM.
2. TRANSITION SLOPE 1:10 MAXIMUM.
3. SEE STD. PLAN 611& 612 FOR CORNER LAYOUT DIMENSIONS. CURB RETURN RADIUS PER PLANS. CENTER RAMP ON MIDPOINT OF CURB RETURN.
4. THE CONCRETE FINISH OF THE RAMP SHALL HAVE A TRANSVERSE BROOMED SURFACE TEXTURE ROUGHER THAN THE SURROUNDING SIDEWALK.
5. THE GUTTER PAN ACROSS THE ROUTE OF TRAVEL, FROM THE RAMP TO THE STREET, SHALL HAVE A MAXIMUM SLOPE OF 5%.
6. ALL CURB RAMPS SHALL HAVE NO LIP AND 1/4" DEEP SCORE LINE ACROSS THE RAMP AT GUTTER FLOWLINE.
7. DETECTABLE WARNING SURFACE TO BE INSTALLED 6" TO 8" FROM GUTTER FLOW LINE AND EXTEND 36 INCHES MINIMUM IN THE DIRECTION OF TRAVEL AND THE FULL WIDTH OF THE CURB RAMP.
8. REFER TO CALTRANS STANDARD PLAN A88A FOR RAISED TRUNCATED DOME DETAILS.
9. 14" (MIN) AC REPLACEMENT AT RETROFITS. RESTRIPE CROSSWALK AS NEEDED.

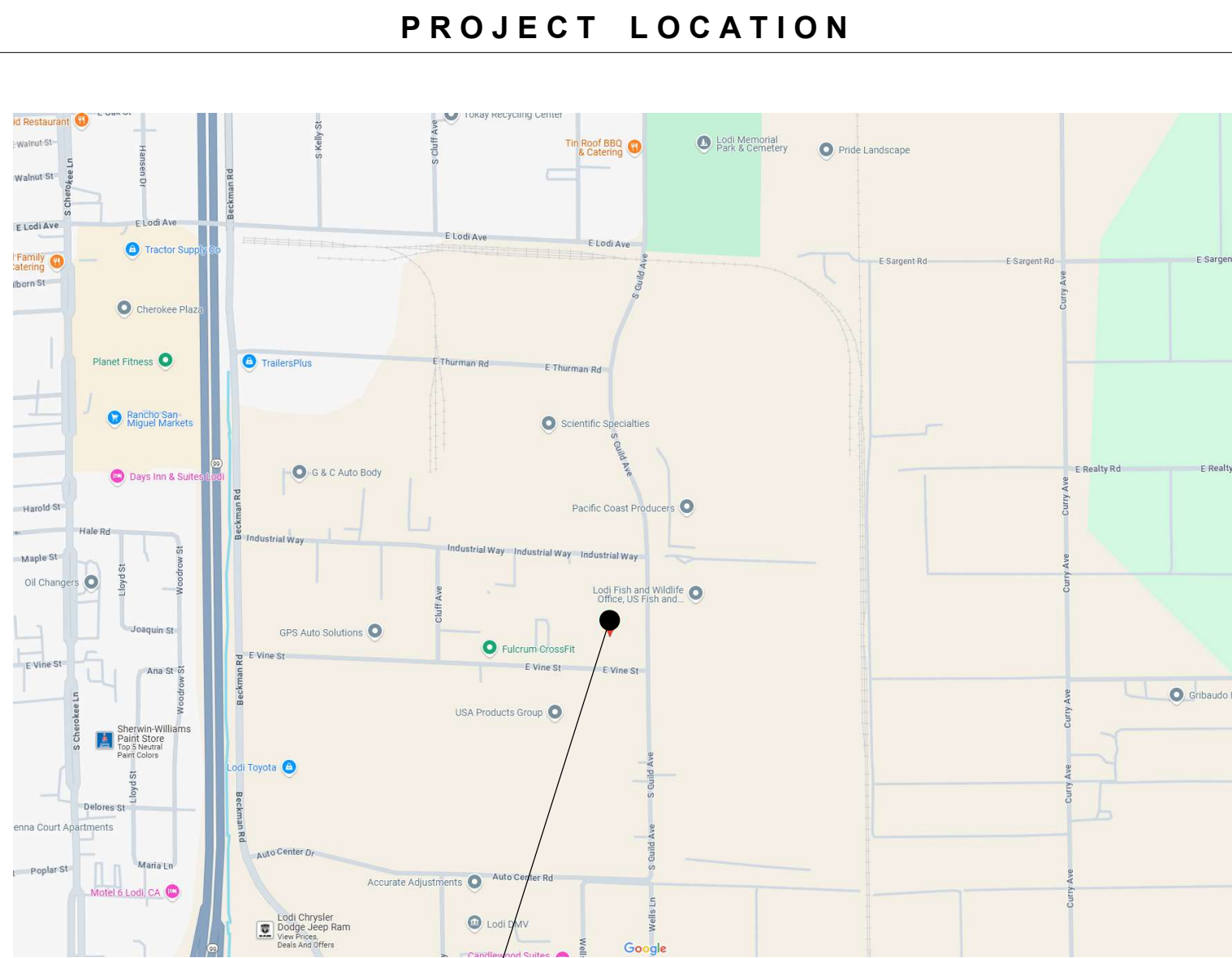
Dr. LP, JP	No.	Date	Revision	Approved By:	STD PLAN
Ch. SN	1	1/13/25	REMOVED TACTILE STRIP		132A
Date 9/24/25	2	9/24/25	NOTE 9 ADDED		
				9/24/25	
				Sean Nathan City Engineer RCE No. 76485	



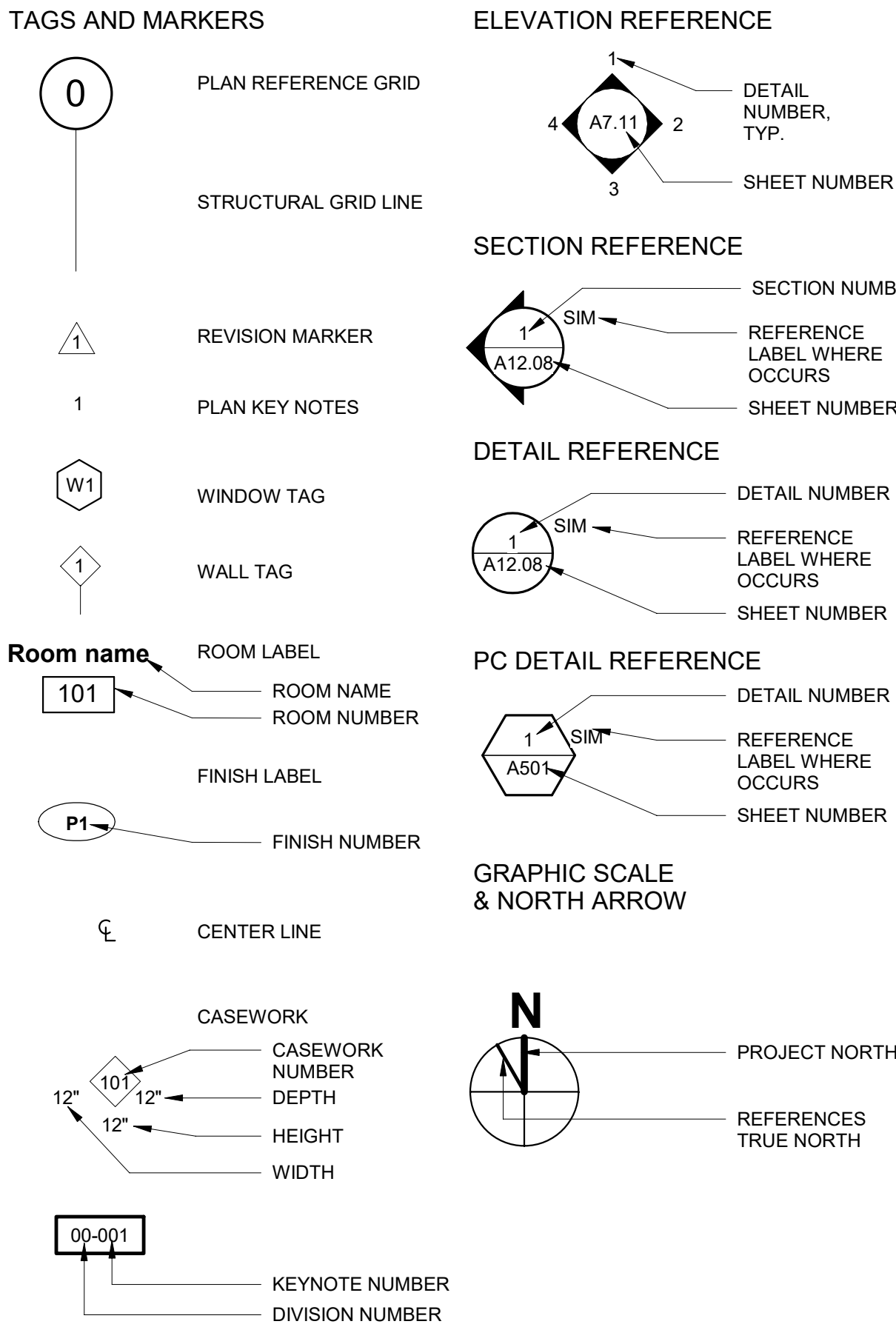
STANDARD ABBREVIATIONS		
&	AND	
#	NUMBER	
%	PERCENT	
AC	AIR CONDITIONING	
ACC.	ACCESSORY	
A.D.A.	AMERICANS WITH DISABILITIES ACT	
A.F.F.	ABOVE FINISH FLOOR	
ALT.	ALTERNATE	
A.P.N.	ASSESSOR'S PARCEL NUMBER	
BD.	BOARD	
BLDG.	BUILDING	
BLK.	BLOCKING	
B.O.C.	BACK OF CURB	
C.B.C.	CALIFORNIA BUILDING CODE	
CL or CLG.	CENTERLINE	
CLG.	CLEAR	
CONT.	CONTINUOUS	
CTR.	COUNTER	
DBL.	DOUBLE	
DEMO.	DEMOLITION	
DEPT.	DEPARTMENT	
DET.	DETAIL	
DIA. or Ø	DIAMETER	
DM.	DIMENSION	
DWG.	DRAWING	
E.	EAST	
(E)	EXISTING	
EAC.	EACH	
EENP.	ENERGY EXPENDITURE PLAN	
ELEC.	ELECTRICAL	
EQ.	EQUAL	
EQUIP.	EQUIPMENT	
E.W.	EACH WAY	
EXT.	EXTERIOR	
F.A.	FIRE ALARM	
F.D.	FLOOR DRAIN	
F.E.	FIRE EXTINGUISHER	
FIN.	FINISH FLOOR	
FIN.	FINISH	
FL.	FLOOR	
F.O.F.	FACE OF FINISH	
F.O.S.	FACE OF STUD	
FRP.	FIBERGLASS REINFORCED PLASTIC	
FT.	FOOT or FEET	
GA.	GAUGE	
GM.	GALVANIZED SHEET METAL	
G.C.	GENERAL CONTRACTOR	
GEN.	GENERAL	
GF.	GROUND FAULT CIRCUIT INTERRUPTER	
GR.	GRADE	
GYP. BD.	GYPSUM BOARD	
H.B.	HOSE BIB	
HDWD.	HARDWOOD	
HDW.	HARDWARE	
H.M.	HOLLOW METAL	
HORIZ.	HORIZONTAL	
H.T.	HEIGHT	
I.D.	INSIDE DIAMETER	
I.E.	FOR EXAMPLE, SUCH AS	
INSUL.	INSULATION	
INT.	INTERIOR or INTEGRAL	
L.	LONG or LENGTH	
MAX.	MAXIMUM	
MECH.	MECHANICAL	
M.E.P.	MECHANICAL, ELECTRICAL, PLUMBING	
MFG.	MANUFACTURE or MANUFACTURER	
MIN.	MINIMUM	
MISC.	MISCELLANEOUS	
M.R.	MOISTURE RESISTANT	
N.	NORTH	
(N)	NEW	
N.I.C.	NOT IN CONTRACT (NO WORK)	
NOM.	NOMINAL	
N.T.S.	NOT TO SCALE	
O.C.	ON CENTER	
O.D.	OUTSIDE DIAMETER	
OPP.	OPPOSITE	
O.S.B.	ORIENTED STRAND BOARD	
(P)	PROPOSED	
PL or P	PROPERTY LINE	
PLAM.	PLASTIC LAMINATE	
PLYWD.	PLYWOOD	
PNL.	PANEL	
P.D.T.	PATH OF TRAVEL	
PT.	PAINT	
P.T.D.	PAPER TOWEL DISPENSER	
PVC	POLYVINYL CHLORIDE	
P.U.E.	PUBLIC UTILITY EASEMENT	
R.	RADIUS	
R.B.	RUBBER BASE	
R.D.	ROOF DRAIN	
REF.	REFERENCE	
REINF.	REINFORCE	
REQ.	REQUIRED REQUIREMENT	
RES.	RESILIENT	
RM.	ROOM	
R.O.	ROUGH OPENING	
R.R.	REMOVE & RELOCATE	
S.A.S.M.	SELF-ADHERE SHEET MEMBRANE	
S.	SOUTH	
S.C.	SOLID CORE	
S.C.D.	SEAT COVER DISPENSER	
SCHED.	SCHEDULE	
SECT.	SECTION	
S.E.D.	SEE ELECTRICAL DRAWINGS	
S.F.	SQUARE FEET or SQUARE FOOT	
SH.	SHEET	
SH.	SHIT	
SIM.	SIMILAR	
S.M.D.	SEE MECHANICAL DRAWINGS	
SPEC.	SPECIFICATIONS	
SQ.FT.	SQUARE FEET or SQUARE FOOT	
STL.	STEEL	
STOR.	STORAGE	
STRUCT.	STRUCTURAL or STRUCTURE	
SUSP.	SUSPENDED	
SYM.	SYMMETRICAL	
T&B.	TOP & BOTTOM	
T.B.D.	TO BE DETERMINED	
TEMP.	TEMPORARY	
T&G.	TONGUE & GROOVE	
THK.	THICK	
TMP.	TEMPERED	
T.O.	TOP OF	
TYP.	TYPICAL	
U.C.	UNDER COUNTER	
UNF.	UNFINISHED	
U.O.N.	UNLESS OTHERWISE NOTED	
VERT.	VERTICAL	
VEST.	VESTIBULE	
V.I.F.	VERIFY IN FIELD	
W.	WEST	
W.C.	WATER CLOSET	
WD.	WOOD	
WIND.	WINDOW	
W.R.	WATER RESISTANT	
WSCOT.	WAINSCOT	
WT.	WEIGHT	
w.	WITH	
w/o	WITHOUT	

GENERAL NOTES

- DO NOT SCALE THE DRAWINGS. EVERY ATTEMPT HAS BEEN MADE TO SHOW ITEMS TO SCALE, BUT NO GUARANTEE IS IMPLIED. ALWAYS INFORM THE ARCHITECT OF MISSING, INCOMPLETE, OR IMPROPER DIMENSIONS ON THE PLANS, OR WHEN EXISTING CONDITIONS DO NOT MATCH WHAT IS SHOWN ON THE PLANS. VERIFY CRITICAL DIMENSIONS.
- DIMENSIONS TO EXISTING CONSTRUCTION ARE GIVEN TO FACE OF FINISH, UNLESS INDICATED OTHERWISE.
- IF PROVIDED, SEE ELECTRICAL, CIVIL AND PLUMBING DRAWINGS FOR RELATED WORK AND EQUIPMENT. WHERE ELECTRICAL ITEMS ARE SHOWN, AND NO DIMENSIONS OR OTHER FORMS OF LOCATION INFORMATION ARE PROVIDED, THE ARCHITECTURAL DRAWINGS SHALL GOVERN WITH RESPECT TO LOCATION.
- SINCE THE WORK INCLUDES ALTERATIONS OF EXISTING FACILITIES, EXAMINATION OF THE EXISTING CONSTRUCTION SHALL BE MADE BY THE GENERAL CONTRACTOR AS IT RELATES TO THE WORK. THE GENERAL CONTRACTOR SHALL VERIFY EXISTING CONDITIONS AND DIMENSIONS AS REQUIRED. NO ALLOWANCE SHALL BE ALLOWED FOR ANY EXPENSE INCURRED DUE TO FAILURE OR NEGLECT TO EXAMINE AND VERIFY EXISTING CONDITIONS. ANY CONFLICTS, OMISSIONS, ETC. SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO BID SUBMISSION.
- THE PURPOSE OF THESE DOCUMENTS IS TO SHOW THE GENERAL ARRANGEMENT AND EXTENT OF NEW WORK, INCLUDING ADDITIONS, ALTERATIONS. ALL WORK WHICH IS OBVIOUSLY REQUIRED TO BE PERFORMED TO PROVIDE A COMPLETE AND OPERABLE FINISHED PROJECT SHALL BE ASSUMED TO BE INCLUDED WITHIN THE SCOPE OF THE CONTRACT.
- ALL SCOPE INDICATED ON THESE DRAWINGS SHALL BE ASSUMED TO BE NEW AND PART OF THE CONSTRUCTION CONTRACT UNLESS IT IS SPECIFICALLY NOTED AS EXISTING (E), OR EXISTING TO REMAIN.
- REMOVE PORTIONS OF EXISTING CONSTRUCTION AS NECESSARY TO ACCOMMODATE NEW WORK AND REPLACE, PATCH OR REPAIR AS NEEDED. PROTECT AREA FROM DAMAGE WHICH MAY OCCUR FROM DEMOLITION, DUST, WATER, ETC. PROVIDE AND MAINTAIN TEMPORARY BARRICADES, CLOSURE WALLS, ETC. AS REQUIRED DURING THE PERIOD OF CONSTRUCTION.
- DAMAGE TO EXISTING STRUCTURES, FINISH, AND EQUIPMENT SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE OWNER.
- THE FINAL LOCATION OF ALL ELECTRICAL AND SIGNAL EQUIPMENT, PANEL BOARDS, FIXTURES, OUTLETS, ETC. SHALL BE APPROVED BY OWNER PRIOR TO INSTALLATION.
- DIMENSIONS NOTED "CLEAR" OR "CLR." MUST BE PRECISELY MAINTAINED WITHOUT TOLERANCE.
- DO NOT SCALE DRAWINGS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT FOR CLARIFICATION PRIOR TO DEMOLITION, FABRICATION OR CONSTRUCTION. DIMENSIONS ARE NOT ADJUSTABLE WITHOUT WRITTEN APPROVAL FROM THE ARCHITECT
- DIMENSIONS NOTED "V.I.F." OR "VERIFY" SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO THE START OF FABRICATION OR CONSTRUCTION. VERIFY ALL ROUGH OPENING DIMENSIONS, FOR FABRICATED ITEMS, WITH THE MANUFACTURER PRIOR TO CONSTRUCTION.
- THE GROUND FLOOR LEVEL IS INDICATED AS +0.00' ON ARCHITECTURAL DWGS. REFER TO CIVIL DWGS FOR FINISH FLOOR ELEVATIONS RELATIVE TO A TOPOGRAPHIC SURVEY BENCHMARK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL LEFTOVER MATERIALS, DEBRIS, TOOLS AND EQUIPMENT INVOLVED IN HIS OPERATIONS AT THE CONCLUSION OF THE WORK.
- CONTRACTOR SHALL REPAIR OR REPLACE ANY FENCE, SIDEWALK, PAVING, LANDSCAPING, ELEVATOR, FLOORING OR ANY OTHER BUILDING MATERIAL OR SYSTEM DAMAGED AS A RESULT OF LABOR, MATERIAL AND EQUIPMENT DELIVERY AND HANDLING.
- THE ARCHITECT AND CONSULTANTS SHALL HAVE NO RESPONSIBILITY FOR THE DISCOVERY, PRESENCE, HANDLING, REMOVAL OR DISPOSAL OF, OR EXPOSURE OF PERSONS TO ASBESTOS, HAZARDOUS OR TOXIC SUBSTANCES IN ANY FORM AT THE PROJECT SITE. PROFESSIONAL SERVICES RELATED OR IN ANY WAY CONNECTED WITH THE INVESTIGATION, DETECTION, ABATEMENT, REPLACEMENT, USE, SPECIFICATION, OR REMOVAL OF PRODUCTS, MATERIALS OR PROCESSES CONTAINING ASBESTOS, HAZARDOUS OR TOXIC MATERIALS ARE NOT WITHIN THE ARCHITECT'S SCOPE OF SERVICES.
- THE INTENT OF THESE DRAWINGS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION SHALL BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. SHOULD ANY EXISTING CONDITIONS, SUCH AS DETEIORATION OR NONCOMPLIANT CONSTRUCTION, BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS, WHEREIN THE FINISHED WORK SHALL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, CONTRACTOR SHALL NOTIFY ARCHITECT IMMEDIATELY AND WAIT FOR INSTRUCTION BEFORE PROCEEDING WITH WORK.



GENERAL LEGEND



LODI UNIFIED SCHOOL DISTRICT

CONCRETE WORK BID PACKAGE

JAMES AREIDA EDUCATION SUPPORT CENTER

FENCE PERMIT

(CONSTRUCTION APPLICATION NO. B2025-0289)

1305 E Vine St, Lodi, CA 95240

PROJECT LOCATION	PROJECT INFORMATION	PROJECT TEAM
	PROJECT SCOPE: THE SCOPE OF THE PROJECT INCLUDES THE INSTALLATION OF 7'-0" (H) AMERISTAR MONTAGE I STEEL FENCES, 2 AMERISTAR PASSPORT-II STEEL ROLL GATES 29'-0" to 22'-0" (W), AND 2'-4'-0" (W) X 7'-0" (H) AMERISTAR MONTAGE II STEEL MAN GATE - SPECIAL WITH CLOSER, AND 5'-4'-0" (W) X 7'-0" (H) AMERISTAR MONTAGE II STEEL MAN GATE - SPECIAL WITH CLOSER AND PANIC HARDWARE AT THE LOCATIONS SHOWN ON THE PROPOSED SITE PLAN ON SHEET A-102. RESTRICTION OF PARKING SPACES AT FENCE AND GATE LOCATIONS WHERE APPLICABLE. CONSTRUCTION OF ONE ACCESSIBLE RAMP, CONSTRUCTION OF MEDIAN WALKWAY, AND ELECTRICAL WORK FOR OPERATION OF GATE OPENER AND KEY-PAD. APPLICABLE CODES [AS AMENDED BY THE STATE OF CALIFORNIA AND LOCAL JURISDICTION APPLICABLE TO THE PROJECT]: 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 (CEC), PART 6, TITLE 24 CCR 2022 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR 2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN), PART 11, TITLE 24 CCR 2022 CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 CCR TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS LODI MUNICIPAL CODE DESIGN CRITERIA STRUCTURAL (SEE STRUCTURAL CALCS FOR DETAILED DESIGN CRITERIA ALSO) WIND SPEED: 93 MPH (3 SECOND GUST) WIND EXPOSURE CATEGORY: C (UNLESS B CAN BE JUSTIFIED BY A RECOGNIZED ENGINEERING STUDY) SEISMIC CATEGORY: D ALLOWABLE SOIL BEARING PRESSURE: 1500 PSF (UNLESS JUSTIFIED BY A GEOTECHNICAL INVESTIGATION REPORT) ENERGY DESIGN CRITERIA: CLIMATE ZONE: 12 SITE AND [E] BUILDING INFORMATION APN: 049-310-270-000 AREA: 8.29 ACRES ZONE: CITY JURISDICTION: CITY OF LODI LOCAL FIRE JURISDICTION: LODI FIRE DEPARTMENT	OWNER(S) LODI UNIFIED SCHOOL DISTRICT CONTACT: JOE PATTY TITLE: DIRECTOR, MAINTENANCE & OPERATIONS ADDRESS: 880 N GUILD AVENUE LODI, CA 95240 PHONE: 209-331-7181 ARCHITECT DERIVI CASTELLANOS ARCHITECTS CONTACT: STEPHEN SOWA TITLE: PRINCIPAL ARCHITECT ADDRESS: 95 S. MARKET ST., SUITE 480 SAN JOSE, CALIFORNIA 95113 PHONE: 408-857-3812 E-MAIL: SSOWA@DCAAIA.COM STRUCTURAL MATHEWSON AND ASSOCIATES 4120 DOUGLAS BLVD., STE 306-260 GRANITE BAY, CA 95746 CONTACT: TIMOTHY MATHEWSON PHONE: 916-508-9731 E-MAIL: TIM@MATHEWSON-ASSOC.COM ELECTRICAL HCS ENGINEERING 4512 FEATHER RIVER DR. #F STOCKTON, CA 95219 CONTACT: RICHARD SMITH PHONE: 209-476-8270 E-MAIL: RICHARD@HCS-ENG.COM
DEFERRED SUBMITTALS		
NO DEFERRED SUBMITTALS		
PROJECT DRAWINGS		
GENERAL A0.0 COVER SHEET ARCHITECTURAL A1.01 EXISTING DEMO SITE PLAN A1.02 PROPOSED SITE PLAN / PARKING ANALYSIS A1.03 ENLARGED SITE PLANS A1.21 SITE DETAILS STRUCTURAL S0.1 STRUCTURAL GENERAL NOTES S0.2 STRUCTURAL GENERAL NOTES S1.0 TYPICAL FENCE AND GATE DETAILS ELECTRICAL E1 ELECTRICAL SITE PLAN E2 DETAILED PLANS TOTAL SHEETS: 10		

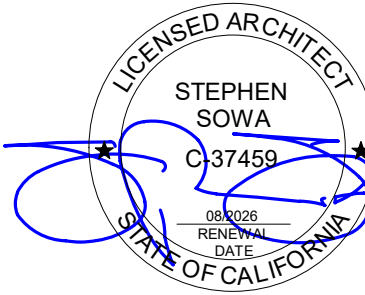
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SHEET TITLE:

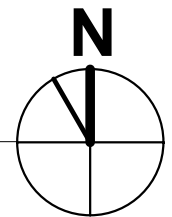
COVER SHEET

CONSTRUCTION DESIGN

Revision Schedule		
NO.	Description	Date

PROJECT #
25.034.
ISSUE DATE:
07/02/2025

SHEET #
A0.0



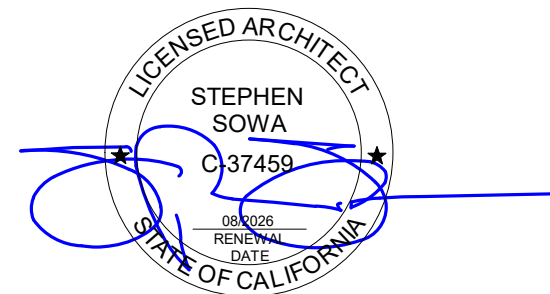
1 EXISTING DEMO SITE PLAN
SCALE: 1" = 30'-0"

1. SEE CIVIL, PLUMBING, & ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION
2. PROTECT UNDERGROUND UTILITIES, PAVING, BUILDINGS, AND OTHER FEATURES NOT BEING DEMOLISHED.

02-002	(E) VAN ACCESSIBLE PARKING
02-003	(E) STANDARD ACCESSIBLE PARKING
02-004	(E) SOLAR ARRAY OVER
02-005	(E) OUTSIDE SCREW & YOKÉ (OSSY)
02-006	(E) POST-INDUSTRIAL VALVE (PIV)
02-007	(E) TRANSFORMER
02-008	(E) SEWER CLEANOUT
02-009	(E) ACCESSIBLE PARKING SIGNAGE
02-010	(E) ACCESSIBLE CURB RAMP
02-011	(E) 40" DEEP CLEAR LANDING ALONG WIDTH OF RAMP, 1.48 MAX. (2%) SLOPE ALL DIRECTIONS
02-012	(E) COMMUNICATIONS TOWER
02-013	FLUSH WITH (E) PAVEMENT
02-101	REMOVE (E) TURF AND SUBSOL TO ESTABLISH GRADES FOR (N) ACCESSIBLE WALKWAY. RE-DETAIL TO (U) IMPACTED IRRIGATION LINES TO BE RE-ROUTED
02-102	SAWCUT TO (E) CONCRETE WALLS AND DEMOLISH (E) RAMP / RAILS AND REINSTATE LANDSCAPE. IMPACTED IRRIGATION LINES TO BE RE-ROUTED
02-103	REMOVE (E) TURF AND SUBSOL TO ESTABLISH GRADES FOR (N) MEDIAN WALKWAY. IMPACTED IRRIGATION LINES TO BE RE-ROUTED

	(E) BUILDING
	PROPERTY LINE
	(E) CHAIN LINK FENCE
	(E) FIRE HYDRANT
	(E) LIGHT POST

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SHEET TITLE:

EXISTING DEMO SITE PLAN

CONSTRUCTION DESIGN

Revision Schedule		
NO.	Description	Date

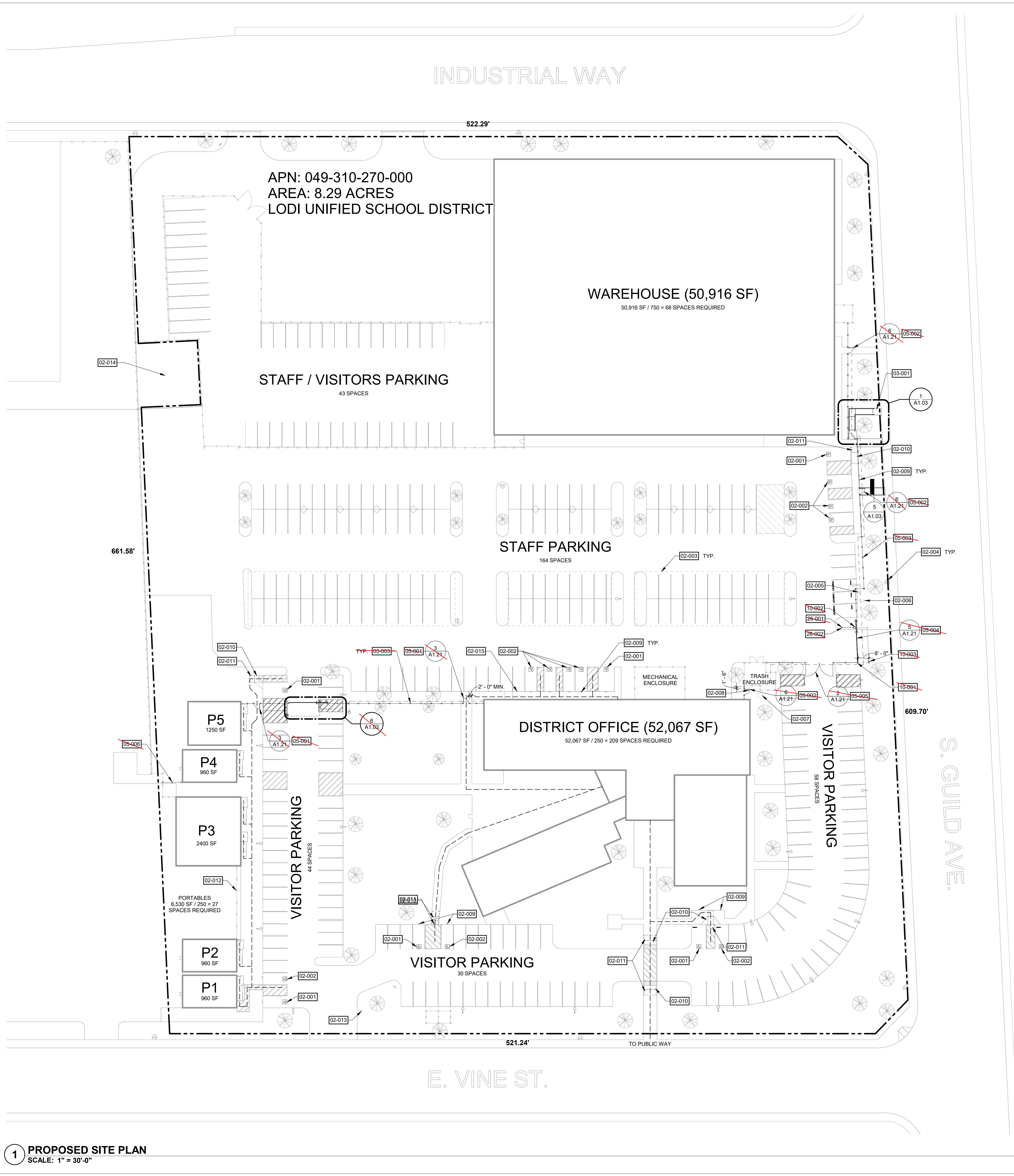
PROJECT #

25.034

ISSUE DATE:
07/02/2025

SHEET #

A1.01



1 PROPOSED SITE PLAN
SCALE: 1" = 30'-0"

SCALE: 1" = 30'-0"

SHEET NOTES

1. SEE CIVIL, MECHANICAL, PLUMBING, & ELECTRICAL DRAWINGS FOR WORK NOT NOTED.
2. ALL NEW WORK IS IN INCREMENT OF UNLESS OTHERWISE NOTED.
3. CIVIL, ELECTRICAL, AND ITEMS INDICATED ON THIS SHEET ARE FOR REFERENCE ONLY. REFER TO RESPECTIVE DISCIPLINE DRAWINGS FOR CONSTRUCTION DETAILS.
4. PAVING AND LANDSCAPING AREAS SHOWN ON THIS SHEET ARE GENERAL IN NATURE.
5. THE PROJECT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE REQUIREMENTS FOR NEW CONSTRUCTION.
6. THE CONSTRUCTION OF THIS PROJECT IS INTENDED TO BE FOR THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING FOR ANY REASON, THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COSTS BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A C.C.
7. DRAININGS IN DRAINAGE GRATES WITHIN PAVED AREAS SHALL NOT EXCEED 1/2" IN THE DIRECTION OF PEDESTRIAN TRAVEL.

PATH OF TRAVEL

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:

THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR THE PATH OF TRAVEL REQUIREMENTS. NO SEPARATE SEPARATION OF THE POTENTIAL REPAIRS AS PART OF THE DESIGN OF THIS PROJECT. THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE HAS BEEN IDENTIFIED. THE CORRECTIVE WORK FOR THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS, ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT ARE IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARSHNESS ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

SEE SHEET A0.2 FOR FIRE DEPARTMENT ACCESS

PATH OF TRAVEL, TECHNICAL REQUIREMENTS FOR ACCESSIBLE ROUTE

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

KEYNOTES

02-001	(E) VAN ACCESSIBLE PARKING
02-002	(E) STANDARD ACCESSIBLE PARKING
02-003	(E) SOLAR ARRAY OVER
02-004	(E) FIRE HYDRANT
02-005	(E) OUTSIDE SCREW & YOKE (OS&Y)
02-006	(E) POST INDICATOR VALVE (PIV)
02-007	(E) TRANSFORMER
02-008	(E) SEWER CLEANOUT
02-009	(E) ACCESSIBLE PARKING SIGNAGE
02-010	(E) ACCESSIBLE CURB RAMP
02-011	(E) 48" DEEP CLEAR LANDING ALONG WIDTH OF RAMP, 1:48 MAX. (2%) SLOPE ALL DIRECTIONS
02-012	(E) 6" 0'-6" HIGH CHAINLINK FENCE
02-013	(E) TOWAYWAY SIGN
02-014	(E) COMMUNICATIONS TOWER
02-015	(E) FLUSH WITH (E) PAVEMENT
03-001	ACCESSIBLE RAMP, SEE DETAILS
03-001	2'-0" W X 7'-0" H AMERISTAR MONTAGE II STEEL GATE - SPECIAL WITH PANIC HARDWARE & 6" H (NON-ACCESSIBLE)
03-002	4'-0" W X 7'-0" H AMERISTAR MONTAGE II STEEL GATE - SPECIAL (NON-ACCESSIBLE)
03-003	7'-0" H AMERISTAR MONTAGE II STEEL FENCE-PANELS
03-004	AMERISTAR RAMP II STEEL RAMP GATE 20'-0" X 22'-0" W VARIKIN FIELD
03-005	AMERISTAR MONTAGE II MAJESTIC 2R EXT 7'-0" X 22'-0" W DOUBLE GATE
03-006	6'-0" HIGH CHAINLINK FENCE TO MATCH (E)
03-001	PROVIDE AND INSTALL FIRE KNOX BOX @ 4'-0" ABOVE GRADE AND INSTALL SIGN SURROUNDING FIRE LANE - NO PARKING PER CITY-OF LOGH FIRE DEPARTMENT REQUIREMENTS
10-002	GATE OPERATOR
10-003	KEY PAD
26-001	LOW VOLTAGE CONDUIT
26-002	LOW VOLTAGE CONDUIT

LEGEND

	(E) BUILDING
	PROPERTY LINE
	DECORATIVE FENCE
	(E) CHAIN LINK FENCE
	(E) FIRE HYDRANT
	(E) LIGHT POST

PARKING ANALYSIS

TOTAL NO. OF PARKING SPACES REQUIRED (68+209+27)=304
TOTAL NO. OF PARKING SPACES PROVIDED =321
321 PROVIDED > 304 REQUIRED, SO OK.

TOTAL SPACES PROVIDED 321, SO 8 ACCESSIBLE PARKING SPACES REQUIRED
INCLUSIVE OF 2 VAN ACCESSIBLE PARKING SPACES (CBC TBL 118-208.2)

STD ACCESSIBLE PARKING	11
VAN ACCESSIBLE PARKING	5
TOTAL ACCESSIBLE PARKING SPACES	16

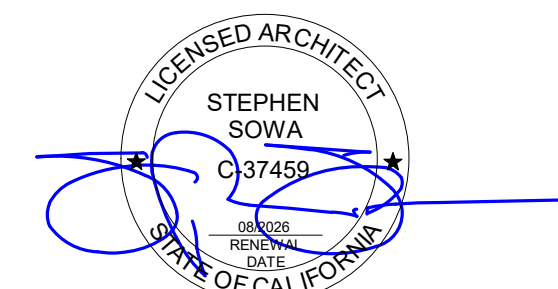
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SHEET TITLE:

PROPOSED SITE PLAN / PARKING ANALYSIS

CONSTRUCTION DESIGN

Revision Schedule

NO.	Description	Date

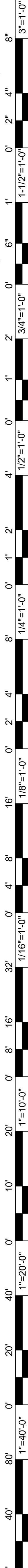
PROJECT #

25.034

ISSUE DATE

SHEET #

A1.02

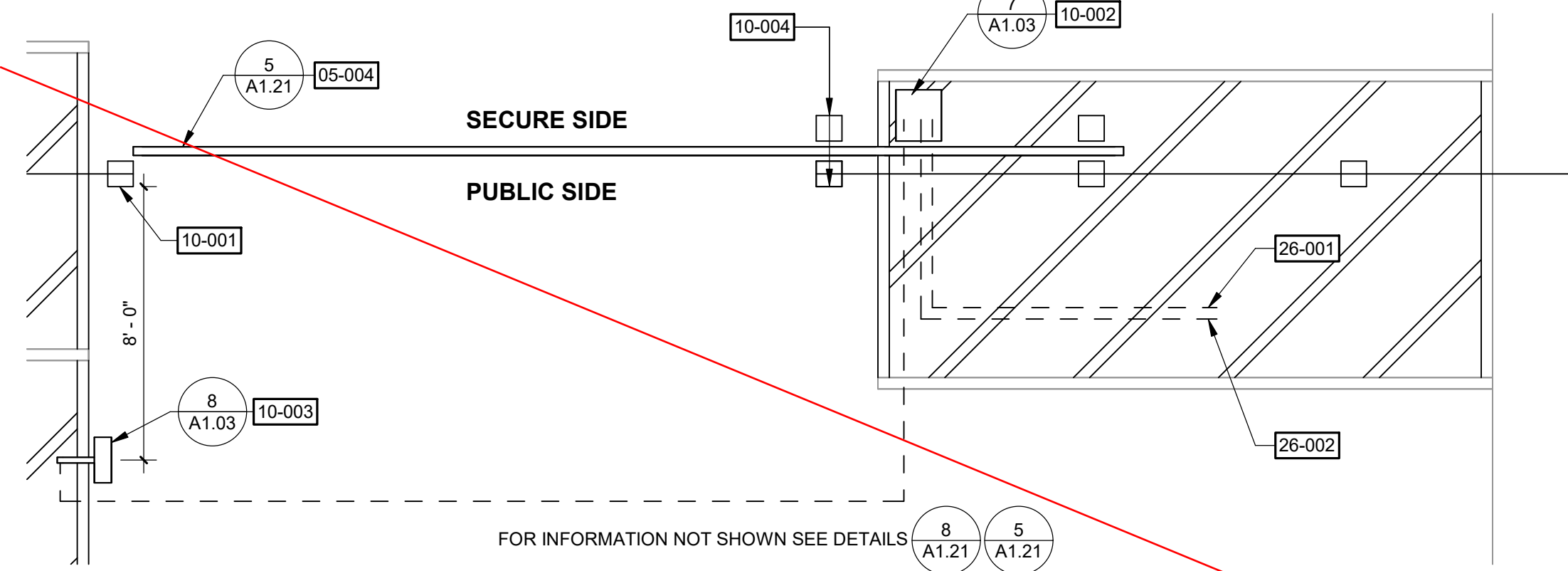


PLAN

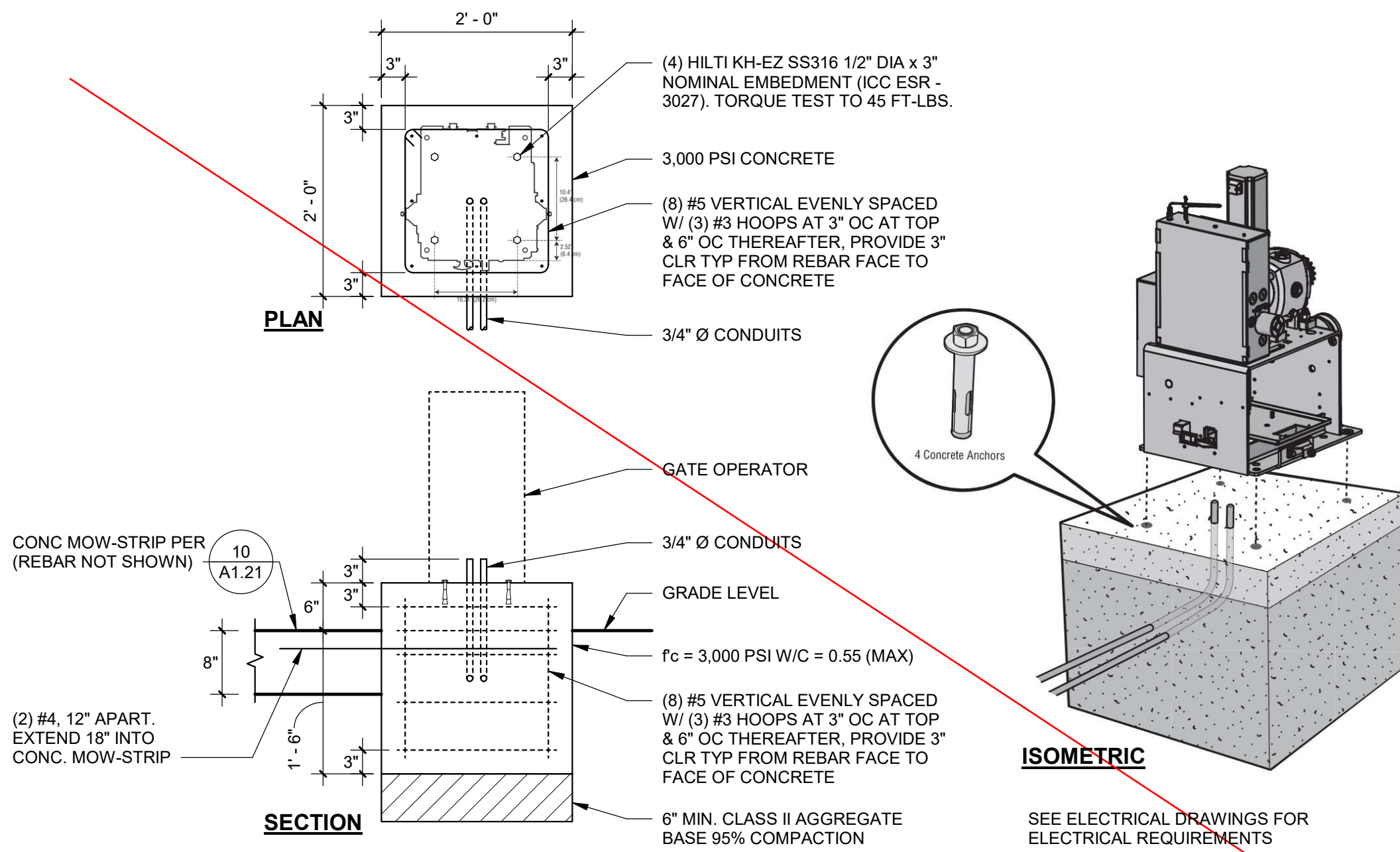
SECTION

8 KEY PAD / CARD READER FOUNDATION PAD
SCALE: 1" = 1'-0"

5 SECTION THRU MEDIAN WALKWAY (NON-ACCESSIBLE)
SCALE: 3/4" = 1'-0"

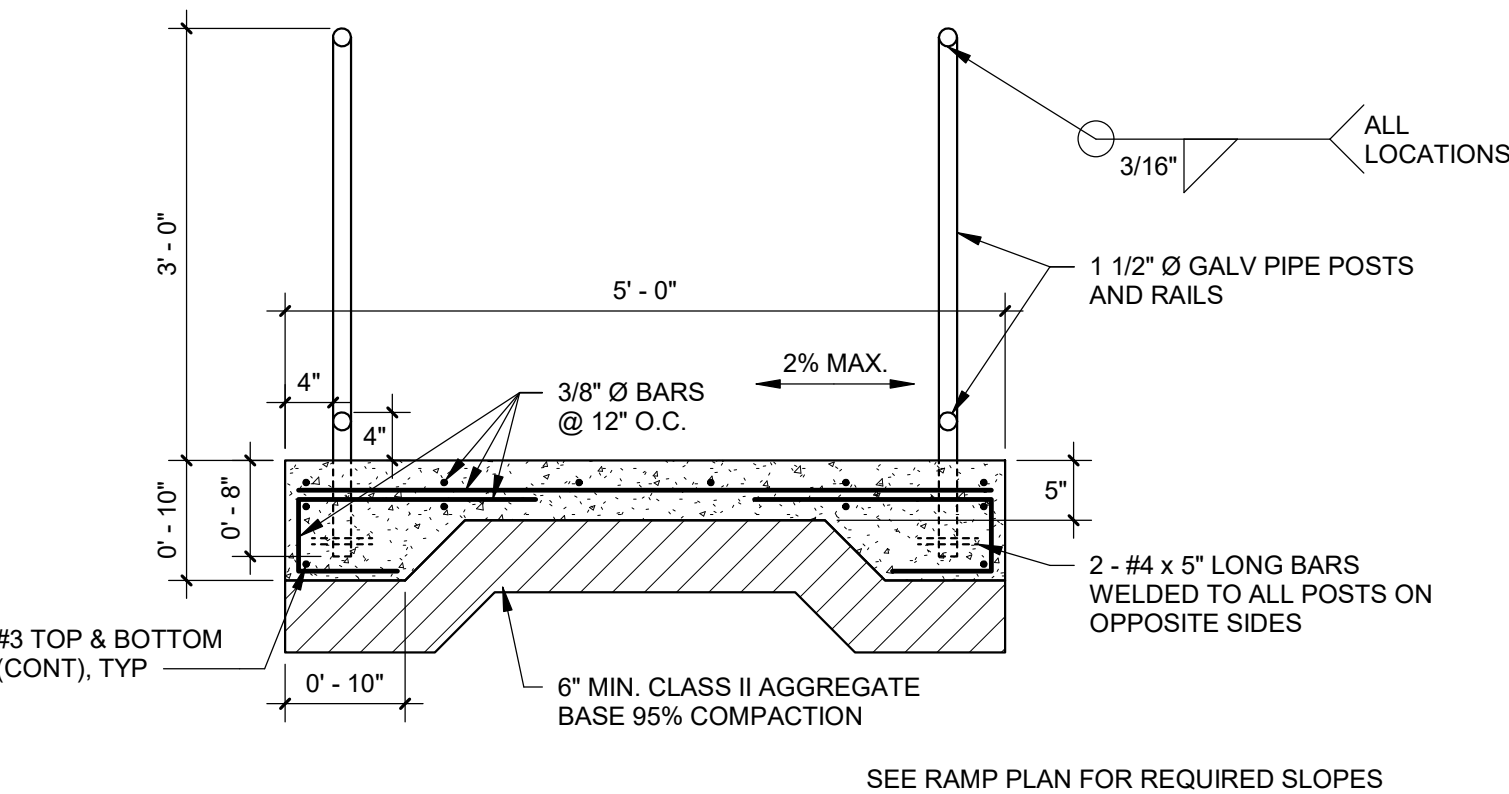


6 ENLARGED ROLLING GATE
SCALE: 1/4" = 1'-0"

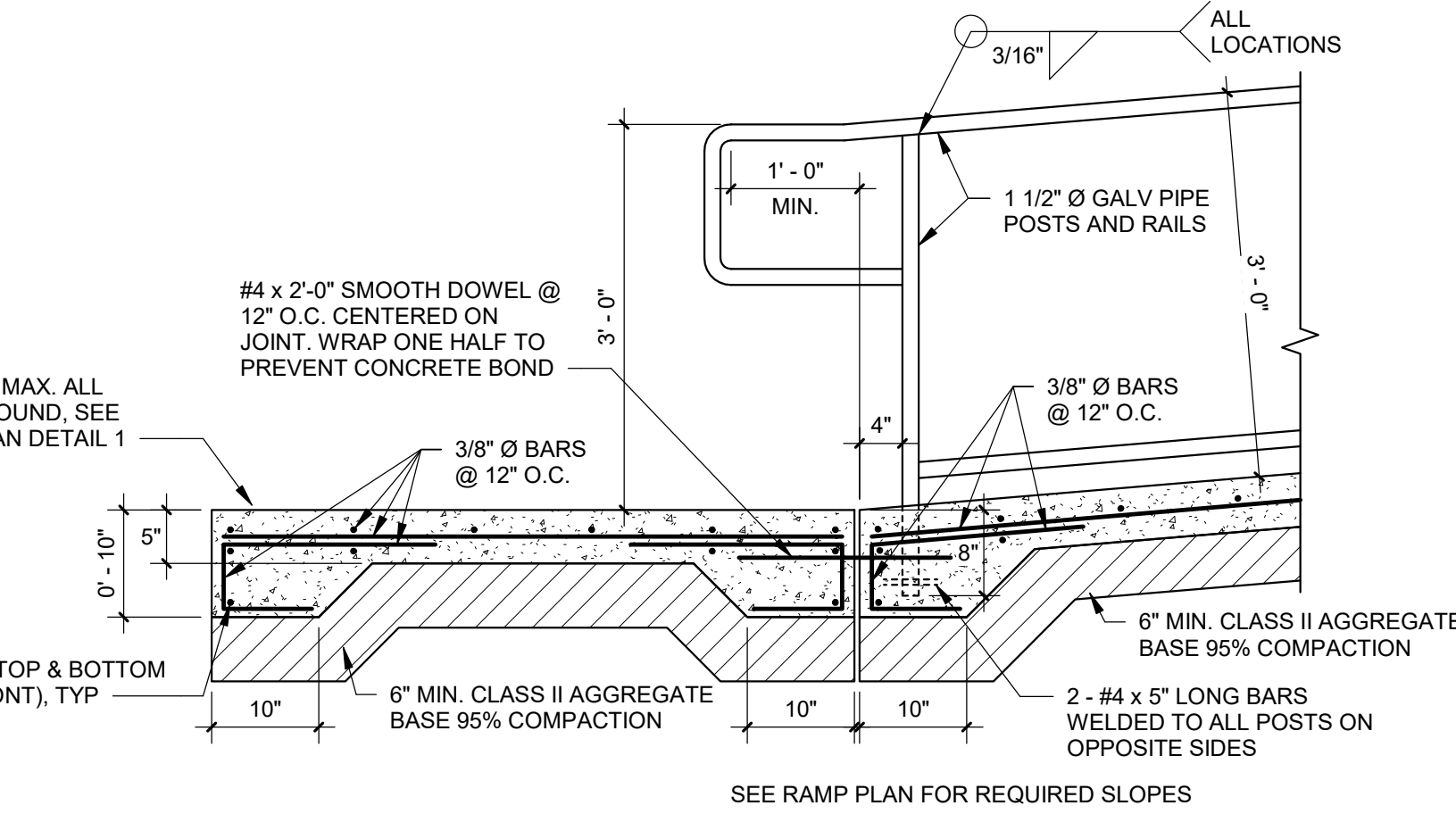


7 GATE OPERATOR FOUNDATION PAD
SCALE: 3/4" = 1'-0"

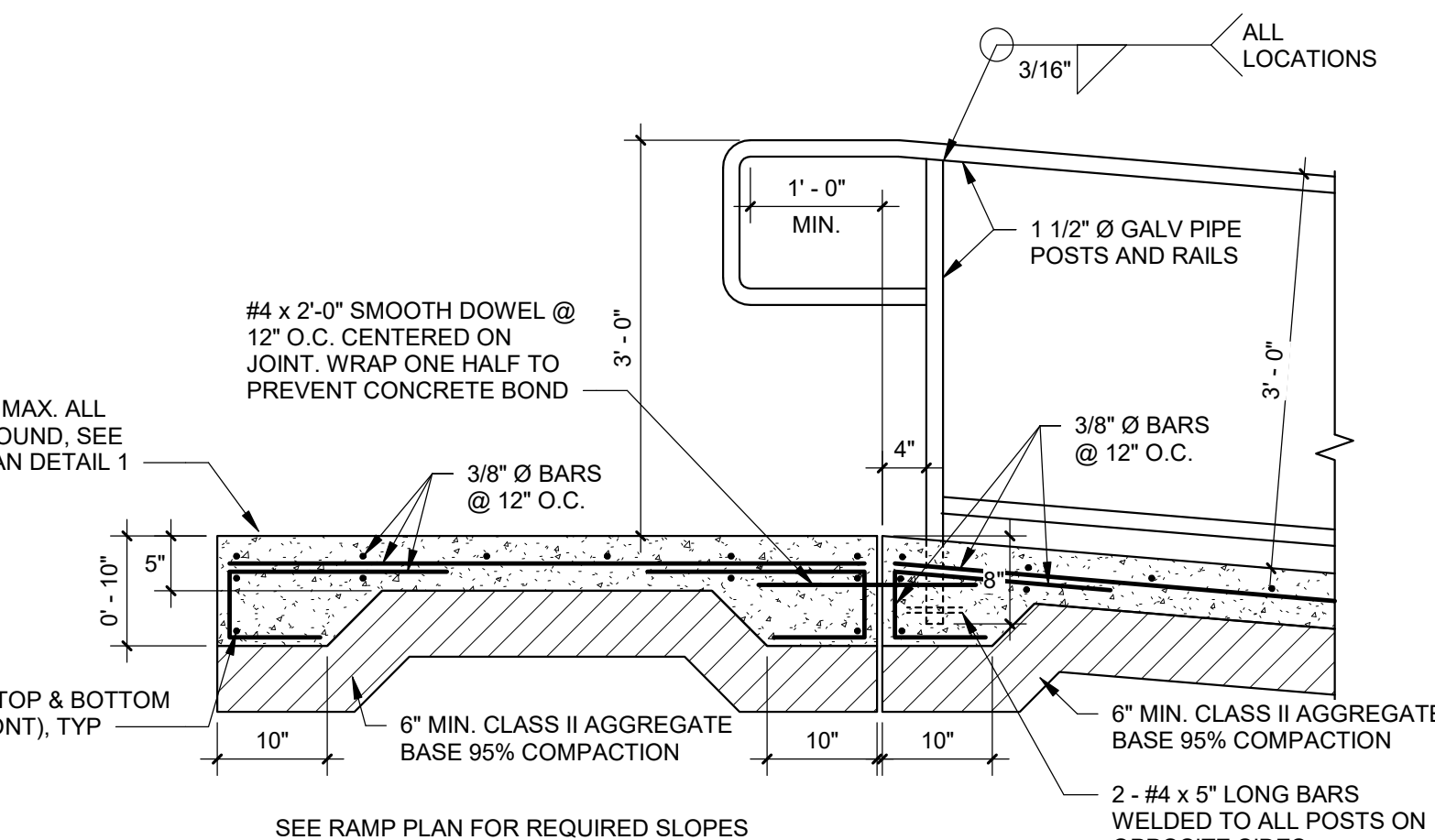
1 ENLARGED RAMP
SCALE: 1/4" = 1'-0"



2 TYPICAL SECTION THRU ACCESSIBLE RAMP
SCALE: 3/4" = 1'-0"



3 SECTION THRU BOTTOM OF ACCESSIBLE RAMP
SCALE: 3/4" = 1'-0"



4 SECTION THRU TOP OF ACCESSIBLE RAMP
SCALE: 3/4" = 1'-0"



SHEET NOTES

KEY

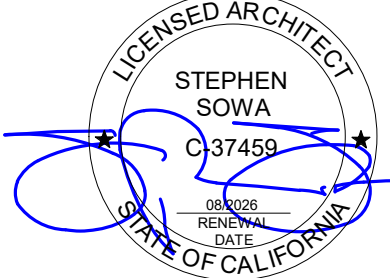
- 05-001 4'-0" W x 7'-0" H AMERISTAR MONTAGE II STEEL GATE - SPECIAL WITH PANIG- HARDWARE & CLOSER (ACCESSIBLE)
- 06-004 AMERISTAR PASSPORT II STEEL ROLL GATE 20'-0" TO 22'-0" W VERIFY IN FIELD
- 10-001 PROVIDE AND INSTALL FIRE KNOX BOX @ 6'-0" ABOVE GRADE AND INSTALL SIGN SPECIFYING "FIRE LANE - NO PARKING" PER CITY OF LODI FIRE DEPARTMENT REQUIREMENTS
- 10-002 GATE OPERATOR
- 10-003 KEY PAD
- 10-004 INSTALL WARNING SIGN ON BOTH SIDES OF GATE IN CLEAR VIEW
- 26-001 LOW VOLTAGE CONDUIT
- 26-002 HIGH VOLTAGE CONDUIT

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SHEET TITLE:

ENLARGED SITE
PLANS

CONSTRUCTION DESIGN

Revision Schedule		
NO.	Description	Date

PROJECT #

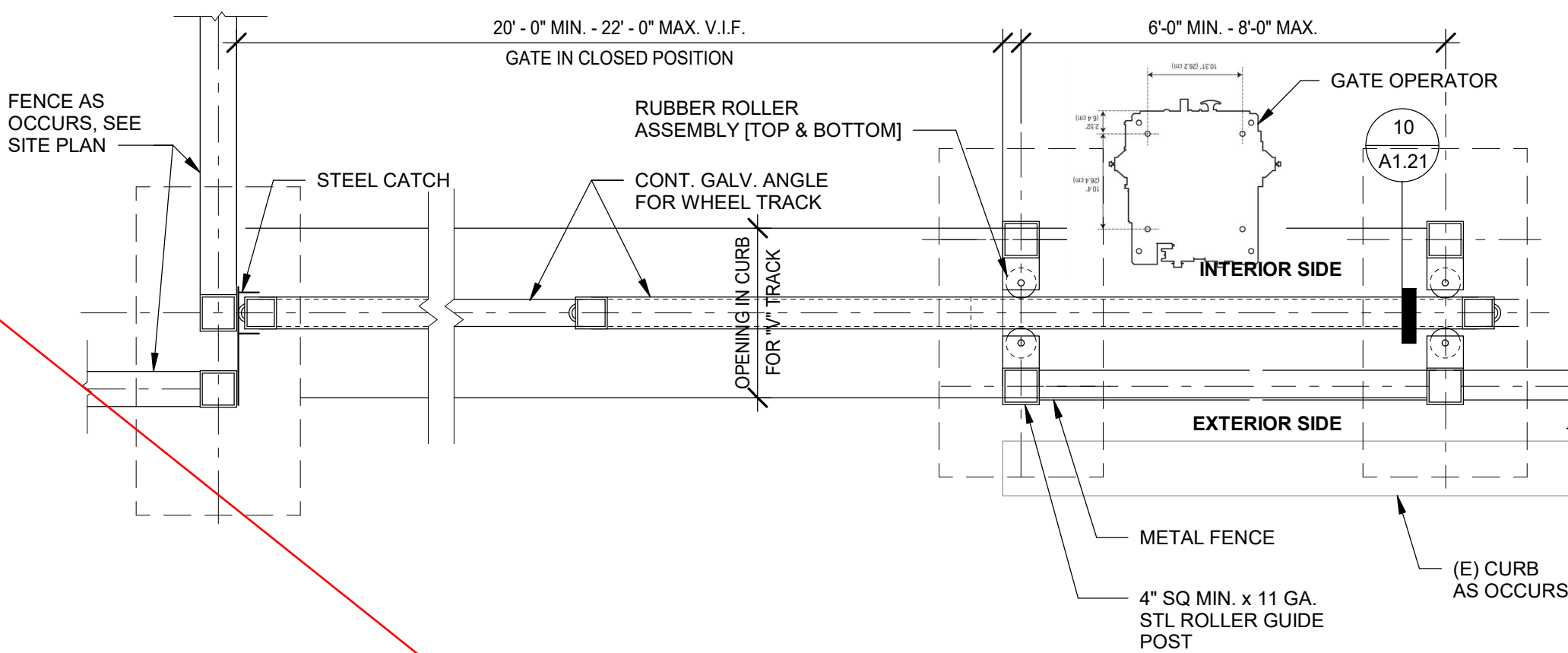
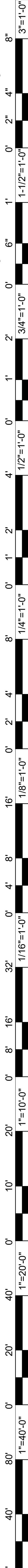
25.034

ISSUE DATE:

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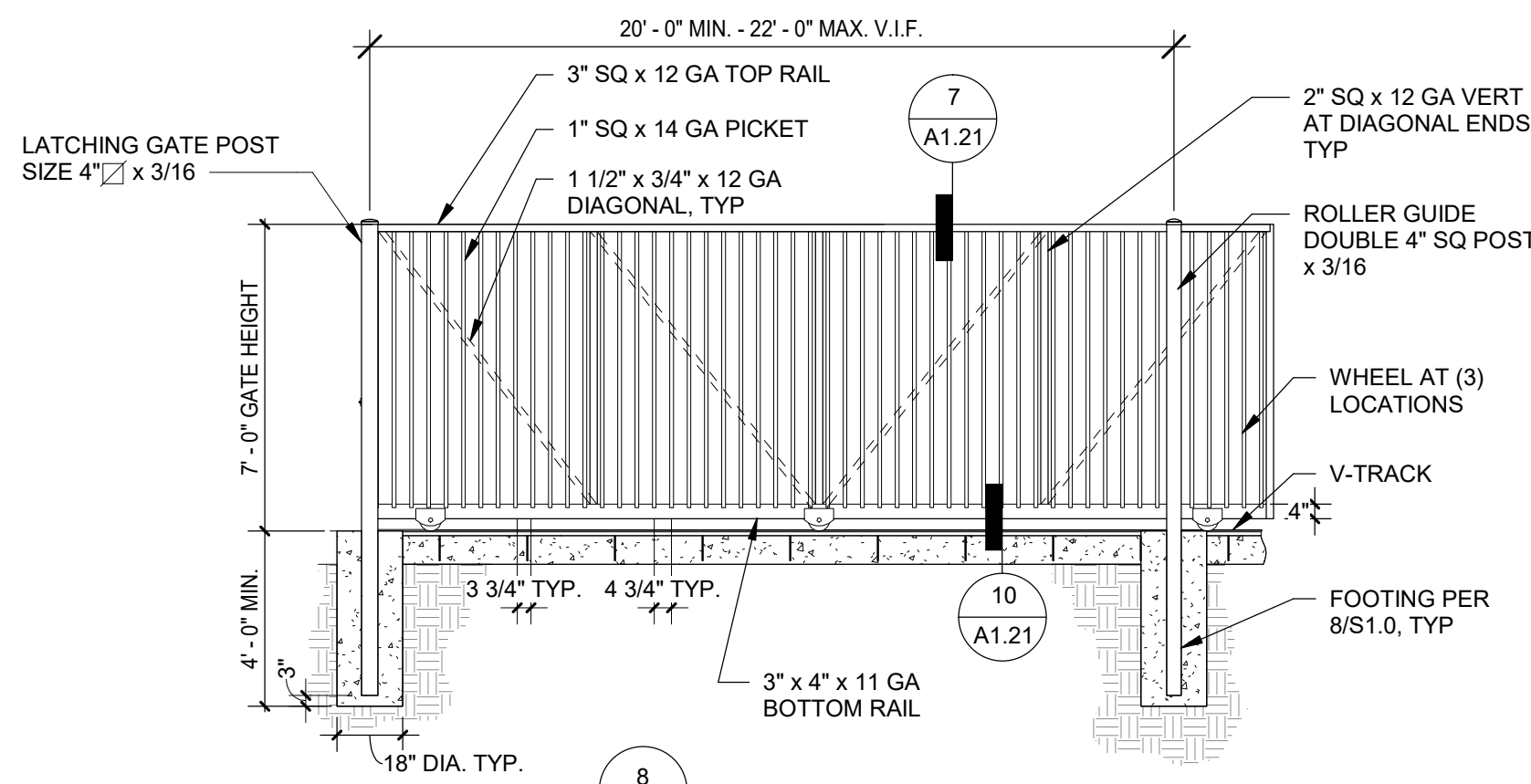
SHEET #

A1.03



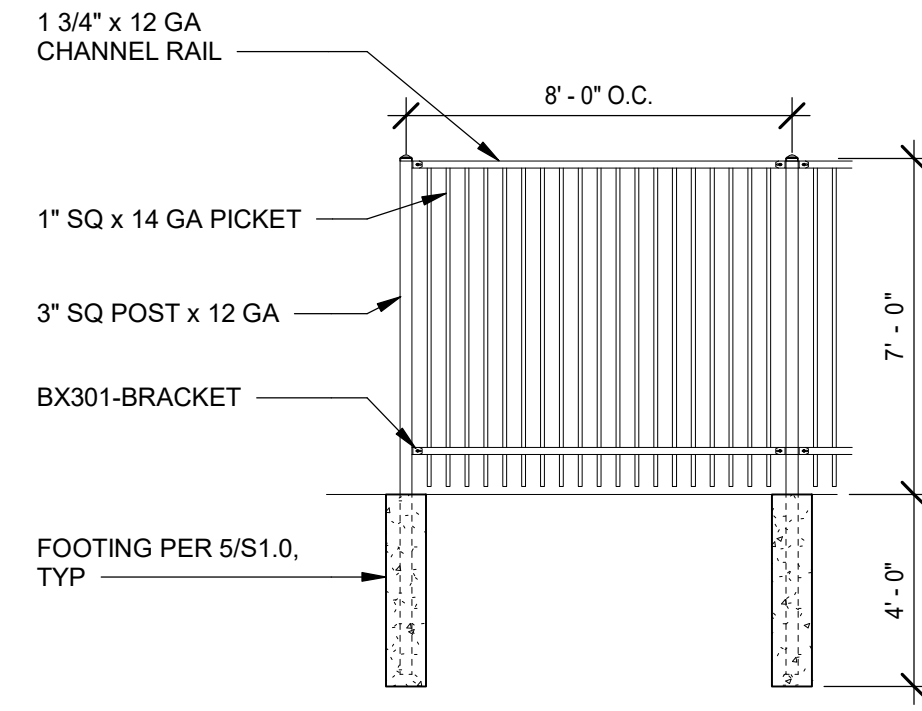
CONTRACTOR TO PROVIDE, DESIGN, TECHNICAL DATA, SUBMITTAL FOR REVIEW/APPROVAL PRIOR TO ANY FABRICATION

8 DECORATIVE ROLLING GATE
SCALE: 3/4" = 1'-0"



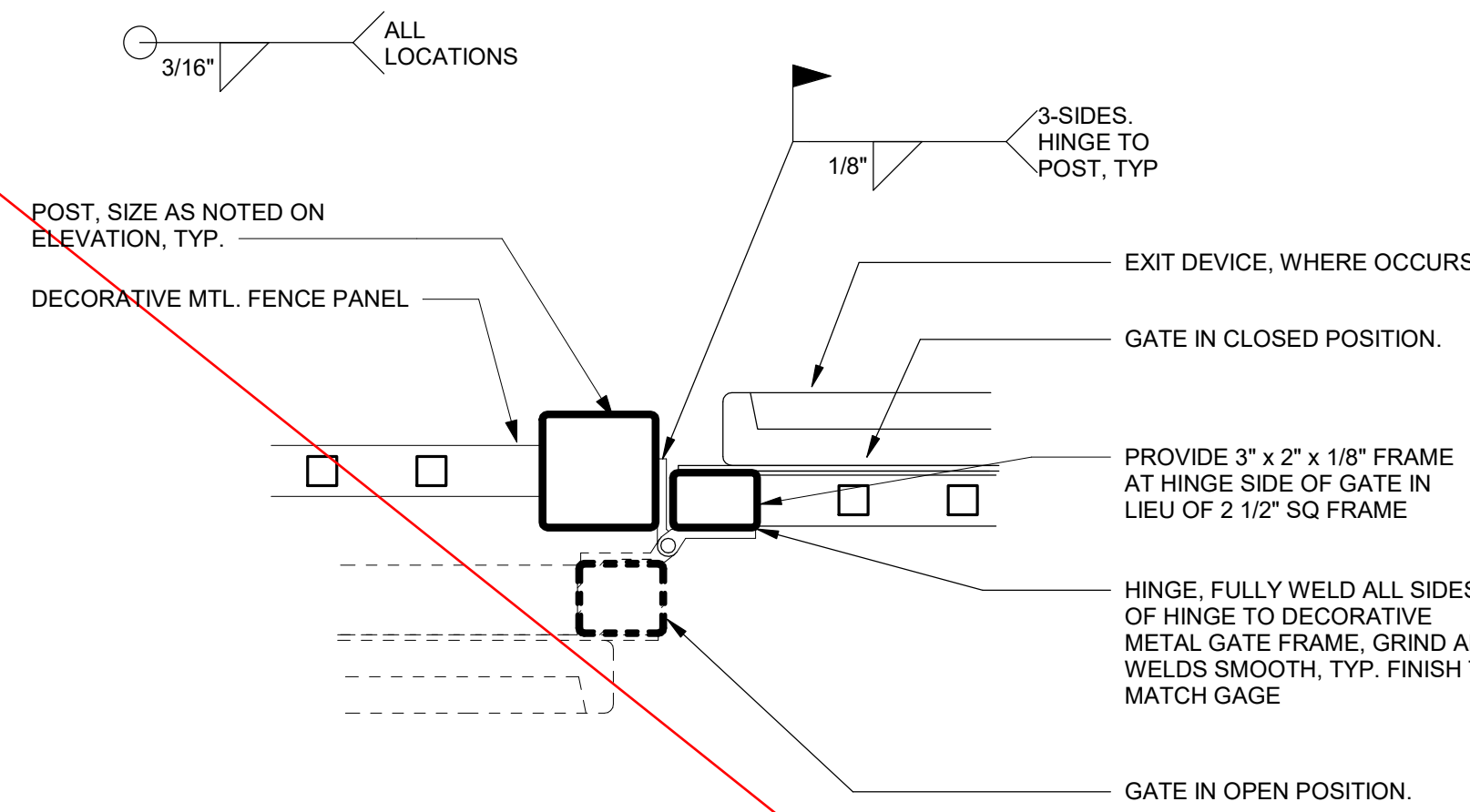
FOR PLAN SEE A1.21
CONTRACTOR TO PROVIDE, DESIGN, TECHNICAL DATA, SUBMITTAL FOR REVIEW / APPROVAL PRIOR TO ANY FABRICATION
REFER TO 3/S1.0 FOR FOOTING AND ADDITIONAL STRUCTURAL INFO.

5 DECORATIVE METAL ROLLING GATE
SCALE: 1/4" = 1'-0"

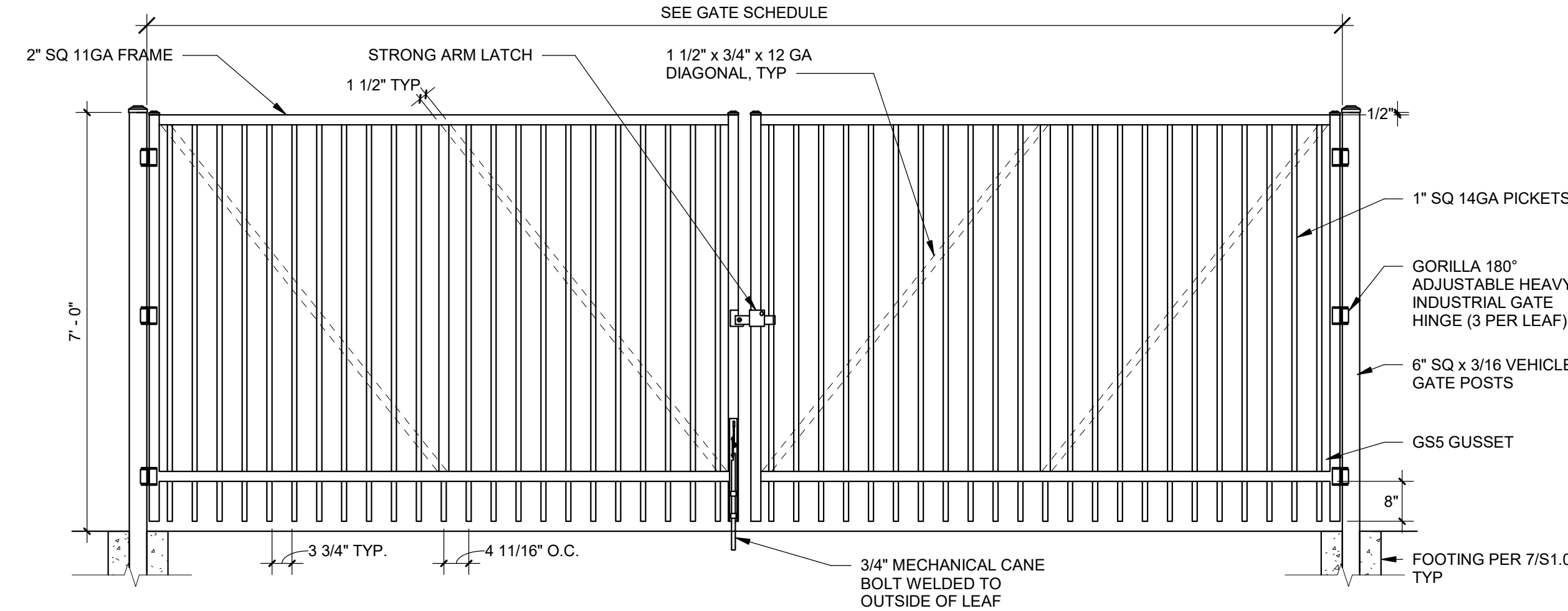


NOTE: DESIGN BASED ON AMERISTAR FENCE, MONTAGE II BY "AMERISTAR".
REFER TO 1/S1.0 FOR FOOTING AND ADDITIONAL STRUCTURAL INFO.

1 DECORATIVE FENCE PICKETS
SCALE: 1/4" = 1'-0"

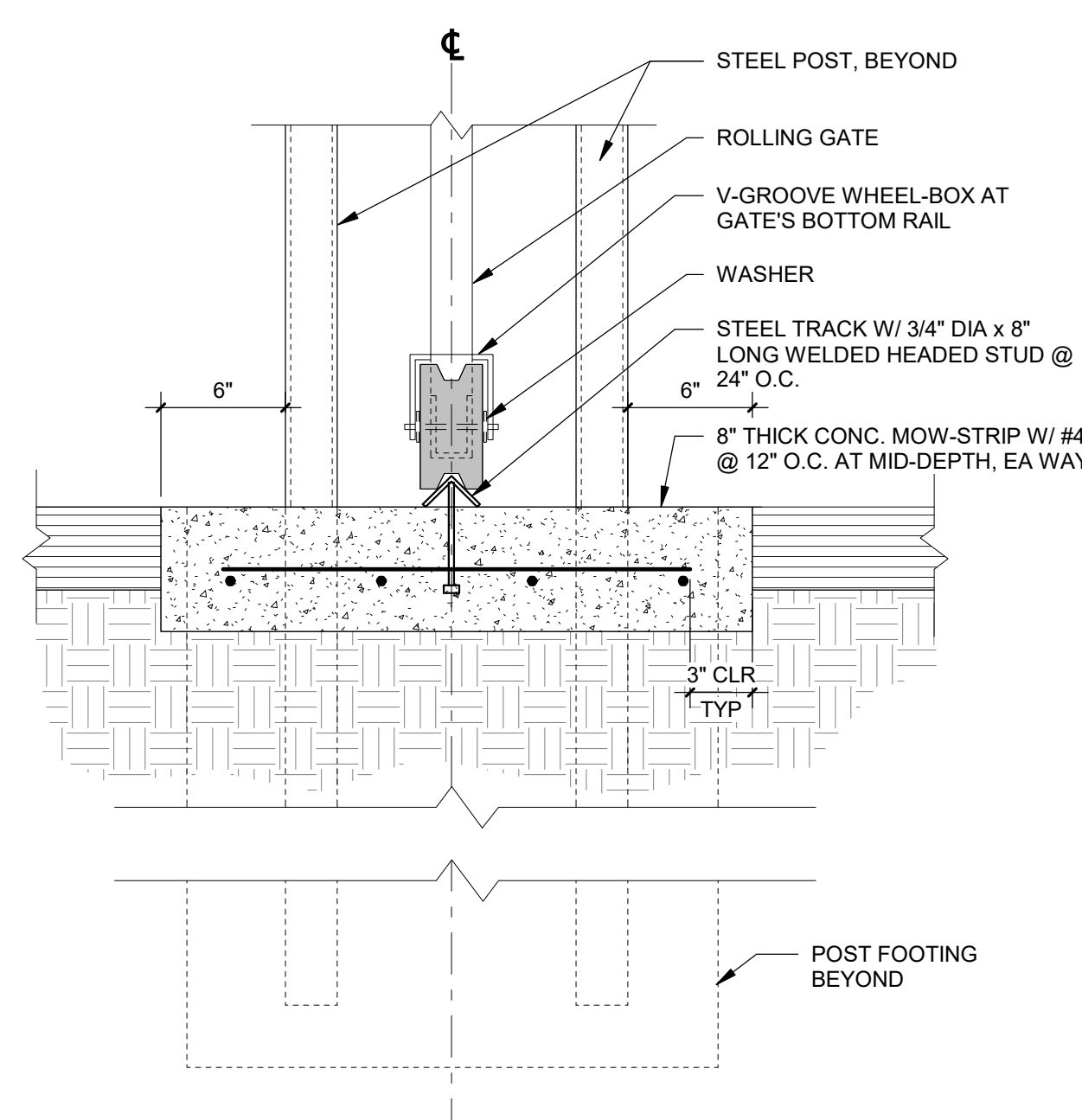


9 GATE PLAN AT HINGE SIDE JAMB
SCALE: 2" = 1'-0"

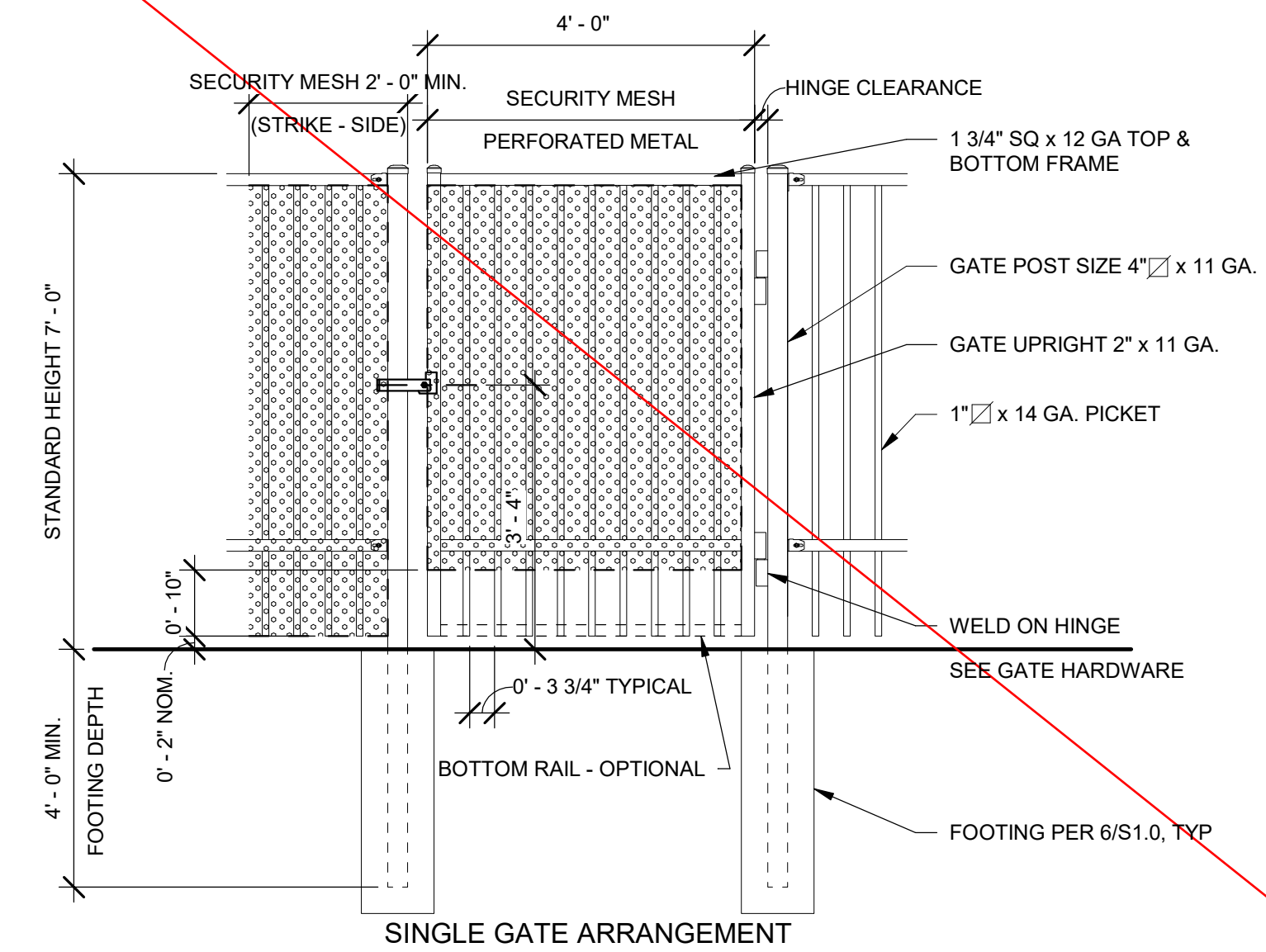


REFER TO 2/S1.0 FOR FOOTING AND ADDITIONAL STRUCTURAL INFORMATION

2 DECORATIVE METAL VEHICLE DOUBLE GATE
SCALE: 1/2" = 1'-0"

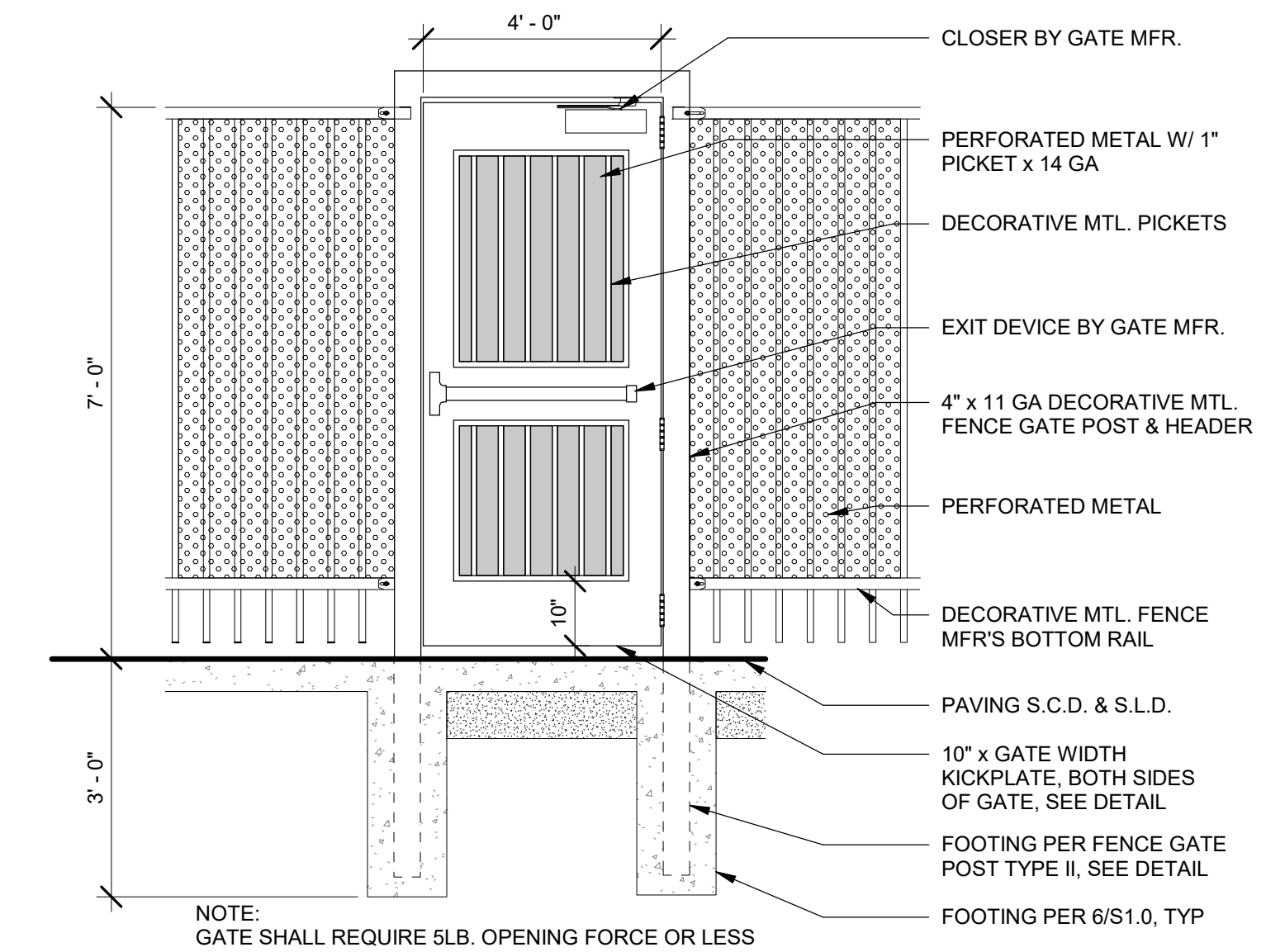


10 ROLLING GATE BOTTOM TRACK
SCALE: 1 1/2" = 1'-0"



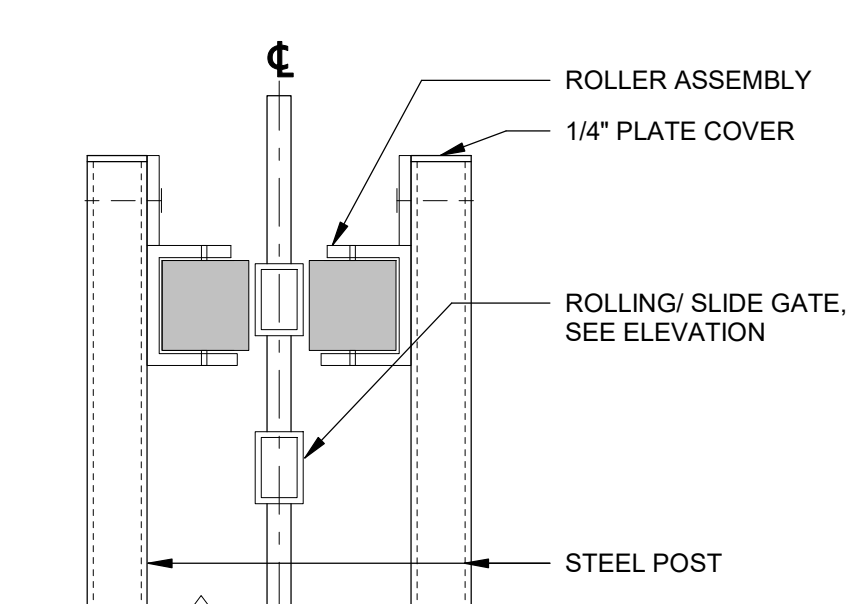
REFER TO 4/S1.0 FOR FOOTING AND ADDITIONAL STRUCTURAL INFORMATION

6 DECORATIVE METAL GATE - 7'-0" HIGH (NON-ACCESSIBLE)
SCALE: 1/2" = 1'-0"

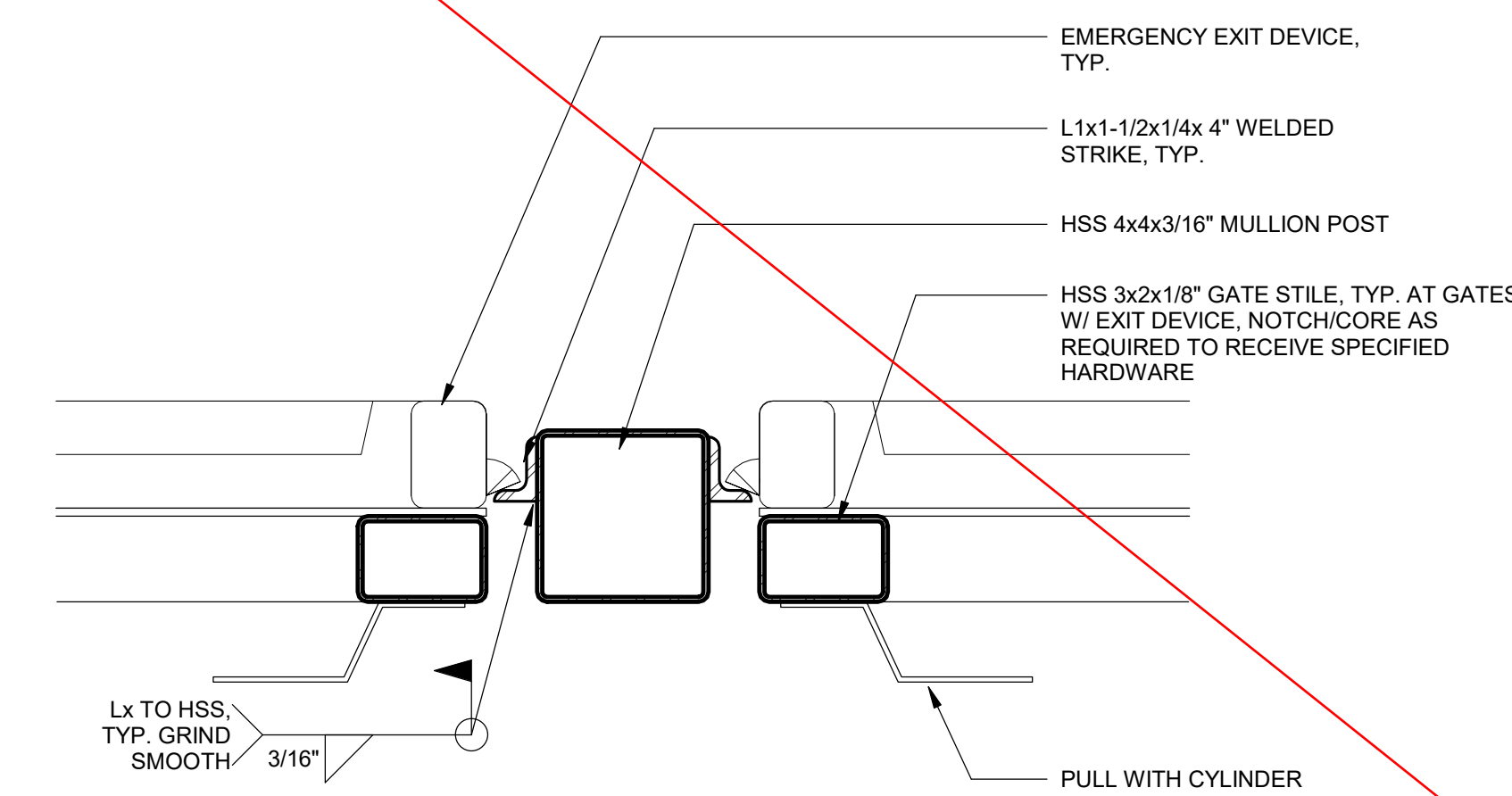


NOTE: GATE SHALL REQUIRE 5LB. OPENING FORCE OR LESS
REFER TO 4/S1.0 FOR FOOTING AND ADDITIONAL STRUCTURAL INFORMATION

3 DECORATIVE METAL GATE - 7'-0" HIGH (ACCESSIBLE)
SCALE: 1/2" = 1'-0"



7 ROLLING GATE HEAD
SCALE: 1 1/2" = 1'-0"



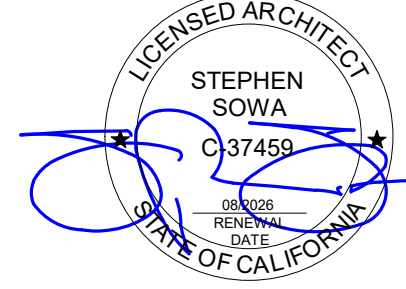
4 DECORATIVE MTL. GATES - EXIT MULLION PLAN
SCALE: 3" = 1'-0"

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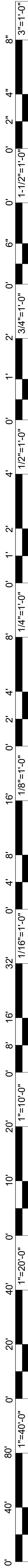
SHEET TITLE:
SITE DETAILS

CONSTRUCTION DESIGN

Revision Schedule		
NO.	Description	Date

PROJECT #
25.034
ISSUE DATE:
07/02/2025

SHEET #
A1.21



CONCRETE

1. ALL CONCRETE CONSTRUCTION SHALL CONFORM WITH CBC CHAPTER 19 AND ACI 318-19.
2. CONCRETE MIXES SHALL BE DESIGNED BY THE CONCRETE SUPPLIER PER THE REQUIREMENTS IN THE CONSTRUCTION DOCUMENTS AND IN ACCORDANCE WITH ACI 301 AND ACI 214R, UNLESS APPROVED BY THE SEOR. PROPORTION CONCRETE MIXES PER ARTICLE 4.2.3 OF ACI 301. STRENGTH TEST RECORDS SHALL NOT BE MORE THAN 24 MONTHS OLD. SUBMIT MIXES AND SUPPORTING INFORMATION TO SEOR FOR REVIEW PRIOR TO CONSTRUCTION.
3. MIX DESIGNS SHALL MEET THE MINIMUM CRITERIA OF TYPES FO, SO, WO AND C1 PER CHAPTER 19 OF ACI 318 UNLESS MORE STRINGENT CRITERIA IS NOTED.
4. SCHEDULE OF STRUCTURAL CONCRETE 28-DAY STRENGTH AND TYPES:

LOCATION IN STRUCTURE	STRENGTH (PSI)	DENSITY (PCF)	MAX AGGREGATE (IN)	MAX W/C RATIO
ALL CONCRETE FOOTINGS	3000	150	1	0.55

5. PORTLAND CEMENT SHALL CONFIRM TO ASTM C-150, TYPE IV-F.
6. AGGREGATE FOR HARDROCK CONCRETE SHALL CONFORM TO ALL REQUIREMENTS AND TESTS OF ASTM C-33 AND PROJECT SPECIFICATIONS. EXCEPTIONS MAY BE USED ONLY WITH PERMISSION OF THE STRUCTURAL ENGINEER.
7. CONCRETE MIXING OPERATION, ETC. SHALL CONFORM TO ASTM C-94.
8. PLACEMENT OF CONCRETE SHALL CONFORM TO ACI 301 AND PROJECT SPECIFICATIONS. CLEAN AND ROUGHEN TO 1/4" AMPLITUDE ALL CONCRETE SURFACES AGAINST WHICH NEW CONCRETE IS TO BE PLACED. ALL CONCRETE TO BE MECHANICALLY CONSOLIDATED.
9. ~~FRAMEWORK~~ EMBEDDED PIPES AND CONSTRUCTION JOINTS SHALL CONFORM TO ACI 301 AND ACI 117 AND PROJECT SPECIFICATIONS.
10. ALL REINFORCING BARS, ANCHOR BOLTS AND OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
11. PROVIDE SLEEVES FOR PLUMBING AND ELECTRICAL OPENINGS IN CONCRETE BEFORE PLACING. DO NOT CUT ANY REINFORCING WHICH MAY CONFLICT. CORING IN CONCRETE IS NOT PERMITTED. NOTIFY THE STRUCTURAL ENGINEER IN ADVANCE OF CONDITIONS NOT SHOWN ON THE DRAWINGS. SEE THESE DRAWINGS FOR ADDITIONAL RESTRICTIONS ON THE PLACEMENT OF OPENINGS IN SLABS AND WALLS.
12. PIPES LARGER THAN 1 1/2" DIAMETER SHALL NOT BE EMBEDDED IN STRUCTURAL CONCRETE EXCEPT WHERE SPECIFICALLY APPROVED BY THE SEOR. PIPES SHALL NOT DISPLACE OR INTERRUPT REINFORCING BARS. SPACE EMBEDDED PIPES AND SLEEVES AT A MINIMUM OF 3 DIAMETERS ON CENTER.
13. WHERE FLY ASH IS USED, IT SHALL COMPLY WITH THE CODE SECTION 1910A.1. FLY ASH SHALL NOT EXCEED 15% OF TOTAL CEMENTITIOUS MATERIAL BY WEIGHT.
14. CIVIL SITE WORK CONCRETE PER CIVIL.

FOUNDATIONS

1. EMBEDDED POST FOOTINGS ARE DESIGNED PER 2022 CBC SECTION 1807.3.1. FOOTINGS ARE DESIGNED USING THE FOLLOWING PRESUMPTIVE LOAD-BEARING VALUES FROM CBC TABLE 1806.2:

VERTICAL FOUNDATION PRESSURE = 1500PSF
LATERAL BEARING PRESSURE = 100 PSF / FT (TWO TIMES THIS VALUE IS ALLOWED PER CBC SECTION 1806.3.4)

STRUCTURAL STEEL

1. STRUCTURAL STEEL SHALL BE DETAILED, FABRICATED AND ERECTED BY AN APPROVED AND LICENSED FABRICATOR IN ACCORDANCE WITH AISC 360 (LATEST EDITION)
2. ALL STRUCTURAL STEEL SHALL CONFORM TO THE ASTM DESIGNATION AS INDICATED BELOW (UNO):

PLATES	A36 GR36 & A572 GR50
ANGLES, CHANNELS	A36
COMMON BOLTS	A307
~~ANCHOR BOLTS IN CONCRETE~~ ~~ANCHOR BOLTS IN CONCRETE~~	~~A307-GR50~~ ~~A307-GR50~~
3. THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS TO THE ARCHITECT OF ALL STEEL FOR ARCHITECT'S AND STRUCTURAL ENGINEER'S REVIEW AND APPROVAL BEFORE FABRICATION.
4. BOLT HOLES USED IN STEEL SHALL BE STANDARD AISC SIZE, 1/16" LARGER THAN BOLT NOMINAL DIAMETER (UNO).
5. PAINTING AND FRAMING OF STRUCTURAL STEEL SHALL COMPLY WITH THE REQUIREMENTS OF AISC 360.
6. ALL WELDING IS TO BE DONE BY CURRENTLY AWS CERTIFIED WELDERS. WELDING OF STRUCTURAL STEEL SHALL BE PERFORMED USING E70XX ELECTRODES (UNO). ALL WELDS SHALL BE IN CONFORMITY WITH THE PROJECT SPECIFICATIONS AND THE CODE FOR WELDING IN BUILDING CONSTRUCTION (AWS D1.1 LATEST REVISION OF THE AMERICAN WELDING SOCIETY). SEE SPECIAL INSPECTIONS SECTION FOR WELDING INSPECTION REQUIREMENTS.
7. WELD LENGTHS CALLED FOR ON PLANS ARE THE MINIMUM NET EFFECTIVE LENGTH REQUIRED. WHERE FILLET WELD SYMBOL IS GIVEN WITHOUT INDICATION OF SIZE, USE MINIMUM SIZE WELDS AS SPECIFIED IN AISC MANUAL OF STEEL CONSTRUCTION, 15TH EDITION, SECTION 4.2b.
8. ALL EXPOSED STRUCTURAL STEEL AND MISCELLANEOUS METAL SHALL BE HOT DIP GALVANIZED AFTER FABRICATION UNO
9. QUALITY CONTROL (QC) PROVIDED BY THE FABRICATOR AND ERECTOR SHALL BE PER AISC 360, CHAPTER N AND AISC 341, CHAPTER J WITH ADDITIONAL REQUIREMENTS NOTED HEREIN.
10. FABRICATOR SHALL NOTIFY EOR, ARCHITECT & INSPECTOR IF QUALITY ASSURANCE (QA) INSPECTIONS AT THEIR SHOP IS REQUIRED.
11. ALL EXPOSED STRUCTURAL STEEL SHALL BE CLEANED AND PREPARED TO ACCEPT ARCH FINISH WITHOUT SURFACE IRREGULARITIES. GRIND SMOOTH ALL WELDS.
12. IT IS ACCEPTABLE FOR AMERISTAR FENCING AND GATE MEMBERS TO USE PROPRIETARY FUSION WELDING PROCEDURE IF IT PROVIDES EQUIVALENT STRENGTH TO AWS SMAW OR FCAW WELDING PROCEDURES.

DEFORMED REINFORCING STEEL FOR CONCRETE :

1. REINFORCING BARS SHALL CONFORM TO ASTM A615 GR60 OR A706 GR60, AND THE REQUIREMENTS OF CHAPTER 19 OF THE CODE.
2. BARS SHALL BE CLEAN OF MUD, OIL, GREASE, OR OTHER MATERIALS LIKELY TO IMPAIR BOND. ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. WWF SHALL BE SUPPORTED ON APPROVED CHAIRS.
4. REINFORCING BAR SPLICES SHALL BE MADE AS INDICATED ON THE DRAWINGS. LAP SPLICE BOTH ENDS OF HORIZONTAL BARS AT CORNERS AND INTERSECTIONS. STAGGER ADJACENT LAP-SPLICES IN A REBAR GROUP BY ONE-HALF THE SPLICE LENGTH (MEASURED CENTER TO CENTER OF SPLICE).
5. ALL BARS SHALL BE MARKED SO THEIR IDENTIFICATION CAN BE MADE WHEN THE FINAL IN-PLACE INSPECTION IS MADE.
6. WHERE WELDING OF REINFORCING IS APPROVED BY THE STRUCTURAL ENGINEER, IT SHALL BE DONE BY AWS CERTIFIED WELDERS USING E60XX OR APPROVED ELECTRODES. WELDING PROCEDURES SHALL CONFORM TO THE REQUIREMENTS OF STRUCTURAL WELDING CODE- REINFORCING STEEL, AWS-D1.4 (LATEST REVISION). REINFORCING BARS TO BE WELDED SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-706 OR MEET THE EQUIVALENT CARBON CONTENT CRITERIA IN AWS D1.1 AND D1.4.
7. BARS IN SLABS SHALL BE SECURELY SUPPORTED ON WELL-CURED CONCRETE BLOCKS OR APPROVED METAL OR PLASTIC CHAIRS, PRIOR TO PLACING CONCRETE.
8. REINFORCING STEEL SHALL BE DETAILED IN ACCORDANCE WITH THE "A C.I. MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES", LATEST EDITION.
9. COMPLETE AND DETAILED REINFORCING PLACEMENT DRAWINGS SHALL BE PREPARED AND SUBMITTED TO THE AOR FOR REVIEW BY THE SEOR PRIOR TO FABRICATION IN ACCORDANCE WITH THE SPECIFICATIONS AND APPLICABLE CODES. THESE DRAWINGS SHALL BE AVAILABLE ON THE JOB SITE PRIOR TO PLACING OF REINFORCING STEEL.
10. MILL TEST REPORTS FOR GRADE 60 BARS SHALL BE SUBMITTED TO THE AOR FOR REVIEW PRIOR TO PLACEMENT OF REINFORCING STEEL.
11. CONTINUOUS INSPECTION OF CONCRETE SHALL INCLUDE INSPECTION DURING INSTALLATION OF REINFORCING STEEL. INSPECTION SHALL BE SCHEDULED SO THAT PLACEMENT OF REINFORCING STEEL, CONDUIT, SLEEVES, AND EMBEDDED ITEMS MAY BE CORRECTED PRIOR TO PLACEMENT OF OVERLYING GRIDS OR REINFORCING STEEL.
12. ALL GRADE 60 REINFORCING STEEL SHALL BE CLEARLY MARKED TO DIFFERENTIATE THEM FROM GRADE 40 REINFORCING STEEL IF CONCURRENTLY ON SITE.
13. CONCRETE PROTECTION FOR REINFORCEMENT

(I)CAST-IN-PLACE CONCRETE (NON-PRESTRESSED) THE FOLLOWING MINIMUM CLEAR CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:

	MINIMUM COVER, IN.
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3
B. CONCRETE EXPOSED TO EARTH OR WEATHER: NO. 6 THROUGH NO. 18 BAR NO. 5 BAR, W31 OR D31 WIRE & SMALLER	2 1 1/2
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND: SLABS, WALLS, JOISTS: NO. 14 AND NO. 18 BAR NO. 11 BAR & SMALLER	1 1/2 3/4
BEAMS, COLUMNS: PRIMARY REINFORCEMENT TIES, STIRRUPS, SPIRALS	1 1/2

14. FOUNDATIONS PLACED WITHOUT FORMS AND DIRECTLY AGAINST SOIL SHALL HAVE THEIR DIMENSIONS INCREASED BY 1" ON ALL SIDES.
15. POST-INSTALLED ANCHORS AND ADHESIVELY BONDED REBAR REBAR SHALL NOT BE INSTALLED UNTIL THE CONCRETE HAS ATTAINED ITS FULL DESIGN STRENGTH.

SHEET INDEX

- S0.1 STRUCTURAL GENERAL NOTES
- S0.2 STRUCTURAL GENERAL NOTES
- S1.0 TYPICAL FENCE AND GATE DETAILS

SCOPE OF WORK OF THESE STRUCTURAL DRAWINGS

DESIGN OF FENCING AND EMBEDDED POST FOOTINGS FOR FENCING AND GATE POSTS.

GENERAL

1. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION. THE ARCHITECT OF RECORD (AOR) SHALL BE NOTIFIED OF ANY DISCREPANCIES OR INCONSISTENCIES PRIOR TO DETAILING, FABRICATION, AND CONSTRUCTION OF THE IMPACTED ITEMS.
2. ALL DRAWINGS ARE CONSIDERED TO BE A PART OF THE CONTRACT DOCUMENTS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REVIEW AND COORDINATION OF ALL DRAWINGS AND SPECIFICATIONS PRIOR TO THE START OF CONSTRUCTION. ANY DISCREPANCIES THAT OCCUR SHALL BE BROUGHT TO THE ATTENTION OF THE ARCHITECT PRIOR TO START OF CONSTRUCTION SO THAT A CLARIFICATION CAN BE ISSUED. ANY WORK PERFORMED IN CONFLICT WITH THE CONTRACT DOCUMENTS OR ANY CODE REQUIREMENTS SHALL BE CORRECTED BY THE CONTRACTOR AT THEIR OWN EXPENSE AND AT NO EXPENSE TO THE OWNER OR DESIGN TEAM.
3. NOTES AND DETAILS ON DRAWINGS SHALL TAKE PRECEDENCE OVER GENERAL NOTES AND TYPICAL DETAILS. WHERE NO DETAILS ARE GIVEN, CONSTRUCTION SHALL BE AS SHOWN FOR SIMILAR WORK.
4. ALL WORK SHALL CONFORM TO THE MINIMUM STANDARDS OF THE FOLLOWING CODES:
2022 CALIFORNIA BUILDING CODE (2021 IBC WITH 2022 CBC AND LOCAL AHJ AMENDMENTS)
AND LATEST REVISIONS REFERRED TO HERE AS "THE CODE", AND ANY OTHER REGULATING AGENCIES WHICH HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES & STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
5. SEE ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:
SIZE AND LOCATION OF ALL DOOR AND WINDOW OPENINGS, EXCEPT AS NOTED.
SIZE AND LOCATION OF ALL INTERIOR AND EXTERIOR NON-BEARING PARTITIONS.
SIZE AND LOCATION OF ALL CONCRETE CURBS, EQUIPMENT PADS, PITS, FLOOR DRAINS, SLOPES, DEPRESSED AREAS, CHANGE IN LEVEL, CHAMFERS, GROOVES, INSERTS, ETC.
SIZE AND LOCATION OF ALL FLOOR AND ROOF OPENINGS EXCEPT AS SHOWN.
FLOOR, ROOF AND WALL FINISHES/DIMENSIONS NOT SHOWN ON STRUCTURAL DRAWINGS.
6. SEE MECHANICAL, PLUMBING, ELECTRICAL, FIRE-PROTECTION AND CIVIL DRAWINGS FOR THE FOLLOWING:
PIPE RUNS, SLEEVES, HANGERS, TRENCHES, WALL AND SLAB OPENINGS, ETC., EXCEPT AS SHOWN OR NOTED.
ELECTRICAL CONDUIT RUNS, BOXES, OUTLETS IN WALLS AND SLABS.
CONCRETE INSERTS FOR ELECTRICAL, MECHANICAL OR PLUMBING FIXTURES.
SIZE AND LOCATION OF MACHINE OR EQUIPMENT BASES/PADS & ANCHOR BOLTS.
7. THE CONTRACT STRUCTURAL DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, TEMPORARY BRACING, SHORING FOR LOADS INCLUDING THOSE DUE TO CONSTRUCTION EQUIPMENT, ETC. OBSERVATION VISITS TO THE SITE BY THE STRUCTURAL ENGINEER SHALL NOT INCLUDE INSPECTION OF THE ABOVE ITEMS.
8. OPENINGS, POCKETS, ETC., LARGER THAN 6" IN ANY DIMENSION SHALL NOT BE PLACED IN CONCRETE/CMU WALLS. SUSPENDED CONCRETE SLABS, AND DECKS, UNLESS SPECIALLY DETAILED ON THE STRUCTURAL DRAWINGS. OPENINGS LESS THAN 6" IN ANY DIMENSION SHALL BE SPACED A MINIMUM OF 3 TIMES THE LARGEST OPENING DIMENSION APART (CENTER TO CENTER). NOTIFY THE STRUCTURAL ENGINEER WHEN DRAWINGS BY OTHERS SHOW OPENINGS, POCKETS, ETC., LARGER THAN 6" NOT SHOWN ON THE STRUCTURAL DRAWINGS, BUT WHICH ARE LOCATED IN STRUCTURAL MEMBERS. FOR ANY FURTHER RESTRICTIONS ON OPENINGS IN STRUCTURAL ELEMENTS, SEE APPLICABLE SECTIONS BELOW.
9. ASTM SPECIFICATIONS ON THE DRAWINGS SHALL BE OF THE LATEST REVISION.
10. CONSTRUCTION MATERIAL SHALL BE SPREAD OUT IF PLACED ON ELEVATED FLOORS AND ROOFS. LOAD SHALL NOT EXCEED THE DESIGN LIVE LOAD PER SQUARE FOOT. PROVIDE ADEQUATE SHORING AND/OR BRACING WHERE STRUCTURE HAS NOT ATTAINED ITS FULL DESIGN STRENGTH.
11. REFERENCED STANDARDS, GUIDES, AND MATERIAL CODES SHALL BE OF THE LATEST EDITION ADOPTED BY THE BUILDING CODE.
12. THE BUILDING OFFICIAL IS COMMONLY REFERRED TO HEREIN AS THE "AUTHORITY HAVING JURISDICTION" OR AHJ.
13. EXISTING ELEMENTS ARE NOTED AS SUCH OR WITH AN (E). NEW ELEMENTS MAY OR MAY NOT BE NOTED AS NEW OR WITH AN (N).

DESIGN CRITERIA:

WIND DESIGN DATA:			
RISK CATEGORY	=	II	
BASIC DESIGN WIND SPEED	=	94mph	
WIND EXPOSURE	=	C	
EARTHQUAKE DESIGN DATA:			
RISK CATEGORY	=	II	
I _e	=	1.0	
SITE CLASS	=	D-DEFAULT	
S _s	=	0.596g	
S ₁	=	0.233g	
F _a	=	1.321	
F _v	=	N/A	
S _{ms}	=	0.791g	
S _{m1}	=	N/A	
S _{ds}	=	0.527g	
S _{d1}	=	N/A	
SEISMIC DESIGN CATEGORY	=	D	

ABBREVIATIONS

AB	ANCHOR BOLT	GLBM	GLULAM BEAM
BLKG	BLOCKING	OC	ON CENTER
BN	BOUNDARY NAIL	PL	PLATE
CONT	CONTINUOUS	REQD	REQUIRED
CSK	COUNTERSINK	REINF	REINFORCEMENT
DBL	DOUBLE	SG	SLAB ON GRADE
EN	EDGE NAIL	TN	TOENAIL
ES	EDGE SCREW	TYP	TYPICAL
EA	EACH	UNO	UNLESS NOTED OTHERWISE
FN	FIELD NAIL		
FTG	FOOTING		

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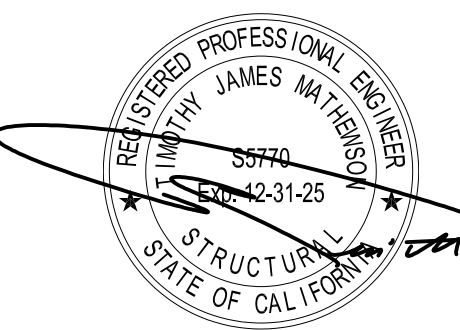
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SHEET TITLE

STRUCTURAL
GENERAL NOTES

CONSTRUCTION DESIGN

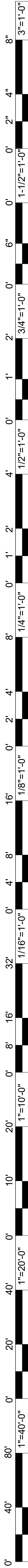
Revision Schedule		
NO.	Description	Date

PROJECT #
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SHEET #

S0.1



AISC 360 TABLE N5.4-1 INSPECTION TASKS PRIOR TO WELDING		
INSPECTION TASKS PRIOR TO WELDING	QC	QA
WELDER QUALIFICATION RECORDS AND CONTINUITY RECORDS	P	O
WPS AVAILABLE	O	O
MANUFACTURER CERTIFICATIONS FOR WELDING CONSUMABLES AVAILABLE	P	P
MATERIAL IDENTIFICATION (TYPE/GRADE)	O	O
WELDER IDENTIFICATION SYSTEM [Ⓜ]	O	O
FIT-UP OF FILLET WELDS • DIMENSIONS (ALIGNMENT, GAPS AT ROOT) • CLEANLINESS (CONDITION OF STEEL SURFACES) • TACKING (TACK WELD QUALITY AND LOCATION)	O	O
CHECK WELDING EQUIPMENT	O	-
[Ⓜ] THE FABRICATOR OR ERECTOR, AS APPLICABLE, SHALL MAINTAIN A SYSTEM BY WHICH A WELDER WHO HAS WELDED A JOINT OR MEMBER CAN BE IDENTIFIED. STAMPS, IF USED, SHALL BE THE LOW-STRESS TYPE.		

AISC 360 TABLE N5.4-2 INSPECTION TASKS DURING WELDING		
INSPECTION TASKS DURING WELDING	QC	QA
CONTROL AND HANDLING OF WELDING CONSUMABLES • PACKAGING • EXPOSURE CONTROL	O	O
NO WELDING OVER CRACKED TACK WELDS	O	O
ENVIRONMENTAL CONDITIONS • WIND SPEED WITHIN LIMITS • PRECIPITATION AND TEMPERATURE	O	O
WPS FOLLOWED • SETTINGS ON WELDING EQUIPMENT • TRAVEL SPEED • SELECTED WELDING MATERIALS • SHIELDING GAS TYPE/FLOW RATE • PREHEAT APPLIED • INTERPASS TEMPERATURE MAINTAINED (MIN./MAX.) • PROPER POSITION (F, V, H, OH)	O	O
WELDING TECHNIQUES • INTERPASS AND FINAL CLEANING • EACH PASS WITHIN PROFILE LIMITATIONS • EACH PASS MEETS QUALITY REQUIREMENTS	O	O
PLACEMENT AND INSTALLATION OF STEEL HEADED STUD ANCHORS	P	P

AISC 360 TABLE N5.4-3 INSPECTION TASKS AFTER WELDING		
INSPECTION TASKS AFTER WELDING	QC	QA
WELDS CLEANED	O	O
SIZE, LENGTH, AND LOCATION OF WELDS	P	P
WELDS MEET VISUAL ACCEPTANCE CRITERIA • CRACK PROHIBITION • WELD-BASE-METAL FUSION • CRATER CROSS SECTION • WELD PROFILES • WELD SIZE • UNDERCUT • POROSITY	P	P
REPAIR ACTIVITIES	P	P
DOCUMENT ACCEPTANCE OR REJECTION OF WELDED JOINT OR MEMBER	P	P

STRUCTURAL SPECIAL INSPECTIONS AND TESTS - GENERAL

- SPECIAL INSPECTIONS AND TESTS SHALL BE IN ACCORDANCE WITH CBC SECTION 1705. THE INTENT OF THE CONSTRUCTION DOCUMENTS TO IDENTIFY THE CODE PRESCRIBED STRUCTURAL SPECIAL INSPECTIONS AND TESTS. IF THE INSPECTOR OR BUILDING OFFICIAL FINDS THAT OTHER INSPECTIONS AND TESTS ARE REQUIRED BY THE CODE, IMMEDIATELY NOTIFY THE AOR AND SEOR FOR REVIEW AND REVISION.
- THE OWNER OR OWNERS AUTHORIZED AGENT SHALL EMPLOY ONE OR MORE APPROVED AGENCIES BY THE AHJ TO PROVIDE SPECIAL INSPECTIONS AND TESTS DURING CONSTRUCTION ON THE TYPES OF WORK SPECIFIED IN CBC SECTION 1705 AND IDENTIFY THE APPROVED AGENCIES TO THE BUILDING OFFICIAL. THESE SPECIAL INSPECTIONS AND TESTS ARE IN ADDITION TO THE INSPECTIONS BY THE BUILDING OFFICIAL THAT ARE IDENTIFIED IN CBC SECTION 110.
- PRIOR TO THE START OF THE CONSTRUCTION, THE APPROVED AGENCIES SHALL PROVIDE WRITTEN DOCUMENTATION OF THEIR QUALIFICATIONS TO THE AHJ PER CBC SECTION 1704.2.1.
- EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND- OR SEISMIC FORCE-RESISTING SYSTEM, DESIGNATED A WIND- OR SEISMIC FORCE- RESISTING COMPONENT LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE AHJ OFFICIAL AND THE OWNER OR THE OWNERS AUTHORIZED AGENT PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN ACKNOWLEDGEMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
- WHERE FABRICATION OF STRUCTURAL, LOAD-BEARING OR LATERAL LOAD RESISTING MEMBERS OR ASSEMBLIES IS BEING CONDUCTED ON THE PREMISES OF A FABRICATOR'S SHOP, SPECIAL INSPECTIONS OF THE FABRICATED ITEMS SHALL BE PERFORMED DURING FABRICATION, EXCEPT WHERE THE FABRICATOR HAS BEEN APPROVED TO PERFORM WORK WITHOUT SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1704.2.5.1.
- SPECIAL INSPECTIONS DURING FABRICATION ARE NOT REQUIRED WHERE THE WORK IS DONE ON THE PREMISES OF A FABRICATOR APPROVED TO PERFORM SUCH WORK WITHOUT SPECIAL INSPECTION. APPROVAL SHALL BE BASED ON REVIEW OF THE FABRICATOR'S WRITTEN FABRICATION PROCEDURES AND QUALITY CONTROL MANUALS THAT PROVIDE A BASIS FOR CONTROL OF MATERIALS AND WORKMANSHIP, WITH PERIODIC AUDITING OF FABRICATION AND QUALITY CONTROL PRACTICES BY AN APPROVED AGENCY ACCEPTABLE TO THE AHJ OR THE AHJ.
- THE CONTRACTOR SHALL BE PROVIDE PROOF OF CERTIFICATIONS FOR ALL FABRICATORS PRIOR TO START OF CONSTRUCTION. A COPY SHALL BE PROVIDED TO THE SPECIAL INSPECTOR AND IF PROOF IS NOT PROVIDED THEN IN-PLANT INSPECTION WILL BE REQUIRED AND CONTRACTOR SHALL SCHEDULE THE INSPECTIONS.
- APPROVED AGENCIES SHALL KEEP AND SUBMIT RECORDS OF SPECIAL INSPECTIONS AND TESTS IN ACCORDANCE WITH CBC SECTION 1704.2.4. DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. IF THEY ARE NOT CORRECTED, THE DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE BUILDING OFFICIAL AND TO THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE PRIOR TO THE COMPLETION OF THAT PHASE OF THE WORK.

STRUCTURAL STEEL SPECIAL INSPECTIONS AND TESTS

- STRUCTURAL STEEL SPECIAL INSPECTIONS AND NONDESTRUCTIVE TESTING OF STRUCTURAL STEEL ELEMENTS IN BUILDINGS, STRUCTURES AND PORTIONS THEREOF SHALL BE IN ACCORDANCE WITH CBC SECTION 1705.2 AND THE QUALITY ASSURANCE INSPECTION REQUIREMENTS OF AISC 360 CHAPTER N (EXCEPTION: SPECIAL INSPECTION OF RAILING SYSTEMS COMPOSED OF STRUCTURAL STEEL ELEMENTS SHALL BE LIMITED TO WELDING INSPECTION OF WELDS AT THE BASE OF CANTILEVERED RAIL POSTS).
- INSPECTIONS AND NONDESTRUCTIVE TESTING PERSONNEL SHALL COMPLY WITH AISC 360 SECTION N4.
- THE SPECIAL INSPECTOR SHALL REVIEW MATERIAL TEST REPORTS AND CERTIFICATIONS LISTED IN AISC 360 SECTION N3.2.
- THE SPECIAL INSPECTOR SHALL PERFORM WELDING INSPECTION ITEMS UNDER THE "QA" COLUMN OF AISC 360 TABLES N5.4-1, N5.4-2, AND N5.4-3. THE LETTER 'O' IN THE TABLE INDICATES TASKS TO OBSERVE ON A RANDOM BASIS. THE LETTER 'P' INDICATES TASKS TO PERFORM FOR EACH WELDED JOINT OR MEMBER. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR & ERECTOR PER AISC 360 CHAPTER N.
- 100% OF COMPLETE JOINT PENETRATION GROOVE WELDS SHALL BE EVALUATED BY UT NON-DESTRUCTIVE TESTING.
- THE SPECIAL INSPECTOR SHALL PERFORM THE BOLTING INSPECTION ITEMS UNDER THE "QA" COLUMN OF AISC 360 TABLES N5.6-1, N5.6-2, AND N5.6-3. THE LETTER 'O' IN THE TABLE INDICATES TASKS TO OBSERVE ON A RANDOM BASIS. THE LETTER 'P' INDICATES TASKS TO PERFORM FOR EACH BOLTED CONNECTION. QUALITY CONTROL (QC) SHALL BE PROVIDED BY THE FABRICATOR & ERECTOR PER AISC 360 CHAPTER N.
- PER AISC 360 SECTION N.5.2 THE SPECIAL INSPECTOR SHALL SUBMIT INSPECTION REPORTS TO THE BUILDING OFFICIAL, REGISTERED DESIGN PROFESSIONAL, AND STEEL FABRICATOR AND ERECTOR.

CONCRETE AND REINFORCING STEEL SPECIAL INSPECTIONS AND TESTS

- SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION SHALL BE PERFORMED IN ACCORDANCE WITH CBC SECTION 1705.3 CBC TABLE 1705.3.
- SPECIAL INSPECTIONS OF WELDING AND QUALIFICATIONS OF SPECIAL INSPECTORS FOR REINFORCING BARS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF AWS D1.4 FOR SPECIAL INSPECTION AND OF AWS D1.4 FOR SPECIAL INSPECTOR QUALIFICATION.

CBC TABLE 1705.3 REQUIRED SPECIAL INSPECTIONS AND TESTS OF CONCRETE CONSTRUCTION				
TYPE	CONTINUOUS SPECIAL INSPECTION	PERIODIC SPECIAL INSPECTION	REFERENCED STANDARD ^a	CBC REFERENCE
1. INSPECT REINFORCEMENT, INCLUDING PRESTRESSING TENDONS, AND VERIFY PLACEMENT.	-	X	ACI 318: Ch. 20, 25.2, 25.3, 26.6.1-26.6.3	-
2. INSPECT ANCHORS CAST IN CONCRETE.	-	X	ACI 318: 17.8.2	-
3. VERIFY USE OF REQUIRED DESIGN MIX.	-	X	ACI 318: Ch. 19, 26.4.3-26.4.4	1904.1, 1904.2
4. INSPECT ANCHORS POST INSTALLED IN HARDENED CONCRETE MEMBERS ^b				
a. ADHESIVE ANCHORS INSTALLED IN HORIZONTALLY OR UPWARDLY INCLINED ORIENTATIONS TO RESIST SUSTAINED TENSION LOADS. ^c	X	-	ACI 318: 17.8.2.4	-
b. MECHANICAL ANCHORS AND ADHESIVE ANCHORS NOT DEFINED IN 4.a.	-	X	ACI 318: 17.8.2	
5. PRIOR TO CONCRETE PLACEMENT, FABRICATE SPECIMENS FOR STRENGTH TESTS, PERFORM SLUMP AND AIR CONTENT TESTS, AND DETERMINE THE TEMPERATURE OF THE CONCRETE.	-	X	ASTM C31 ASTM C172 ACI 318: 26.5 26.12	-
6. INSPECT CONCRETE AND SHOTCRETE PLACEMENT FOR PROPER APPLICATION TECHNIQUES.	X	-	ACI 318: 26.5	-
7. VERIFY MAINTENANCE OF SPECIFIED CURING TEMPERATURE AND TECHNIQUES.	-	X	ACI 318: 26.5.3-26.5.5	-

TABLE FOOTNOTES:

(b) ADDITIONAL SPECIFIC REQUIREMENTS FOR SPECIAL INSPECTION SHALL BE AS INDICATED IN THE RESEARCH REPORT FOR THE ANCHOR ISSUED BY AN APPROVED SOURCE IN ACCORDANCE WITH 17.8.2 IN ACI 318, OR OTHER QUALIFICATION PROCEDURES.

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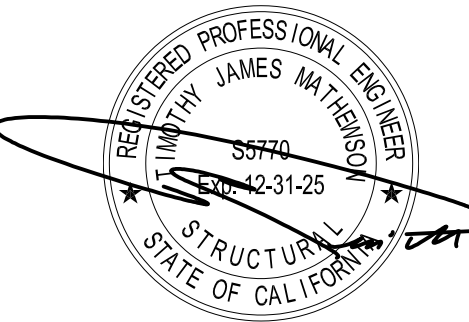
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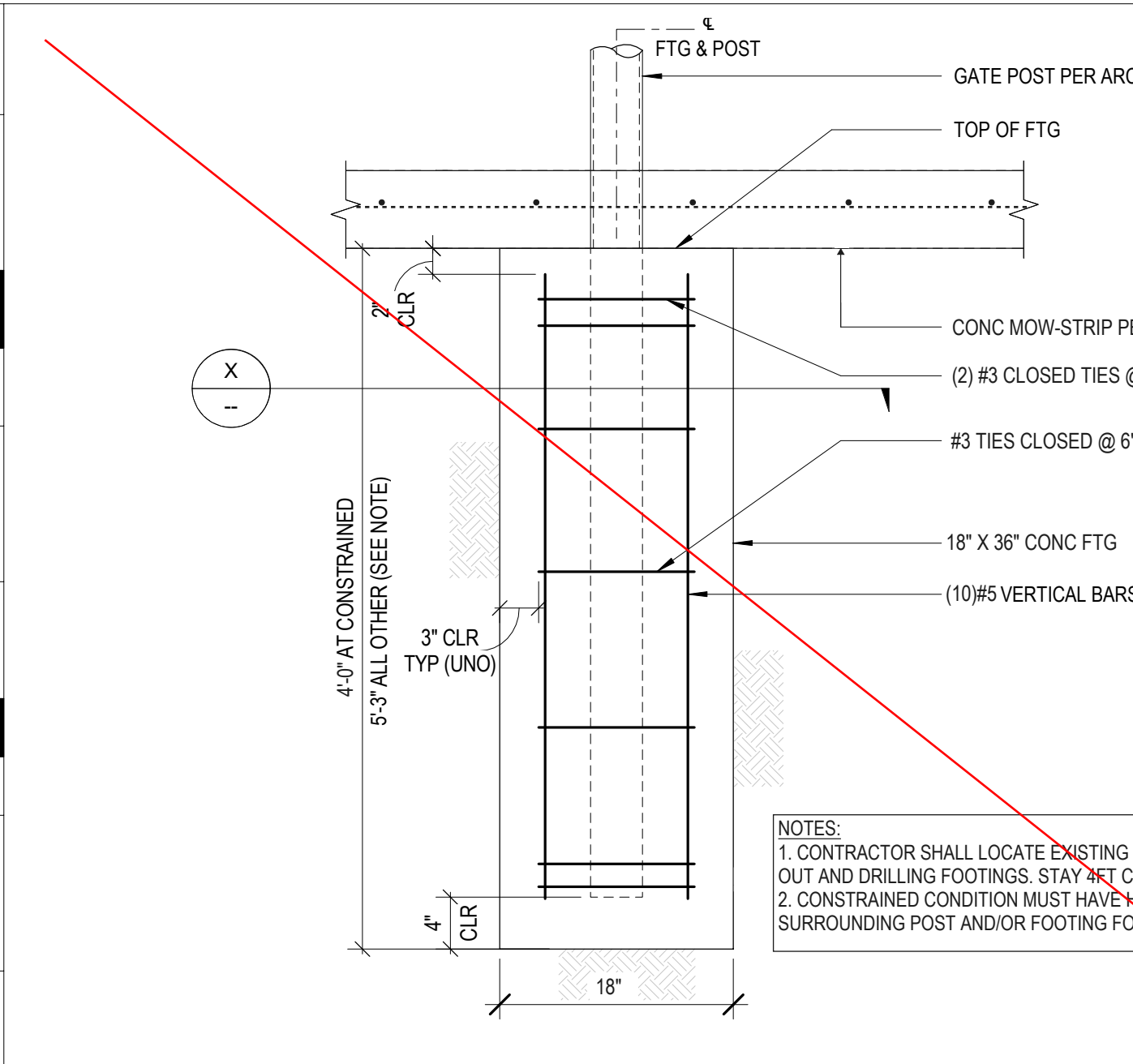
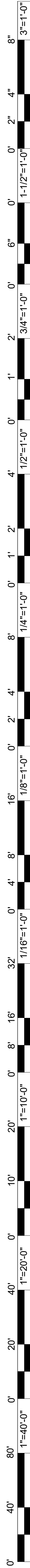
1305 E Vine St., Lodi, CA 95240

SHEET TITLE
STRUCTURAL
GENERAL NOTES

CONSTRUCTION DESIGN

Revision Schedule		
NO.	Description	Date

PROJECT # 25.034	SHEET # S0.2
ISSUE DATE: 07/02/2025	

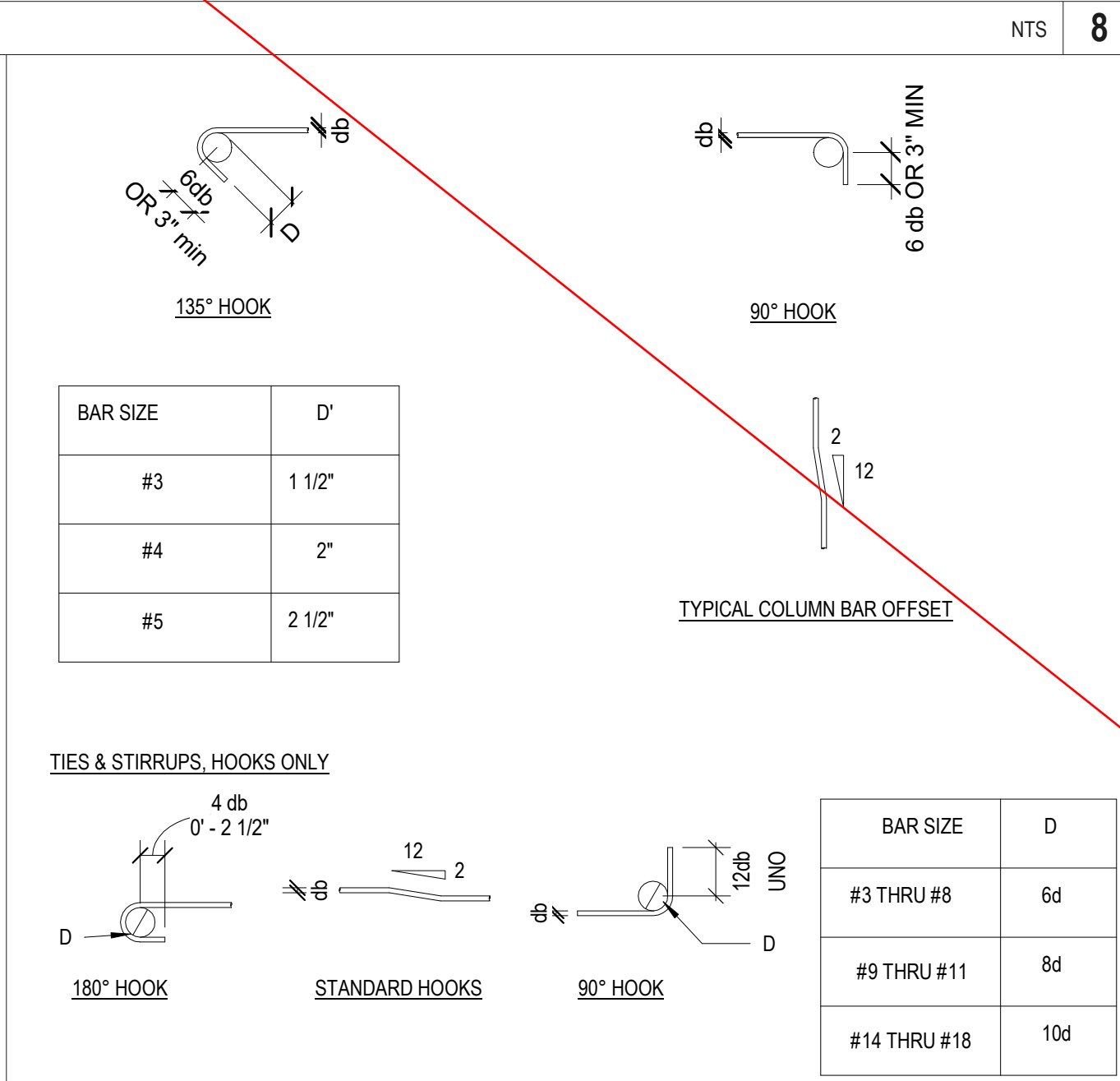


ROLLING GATE POST FOOTING

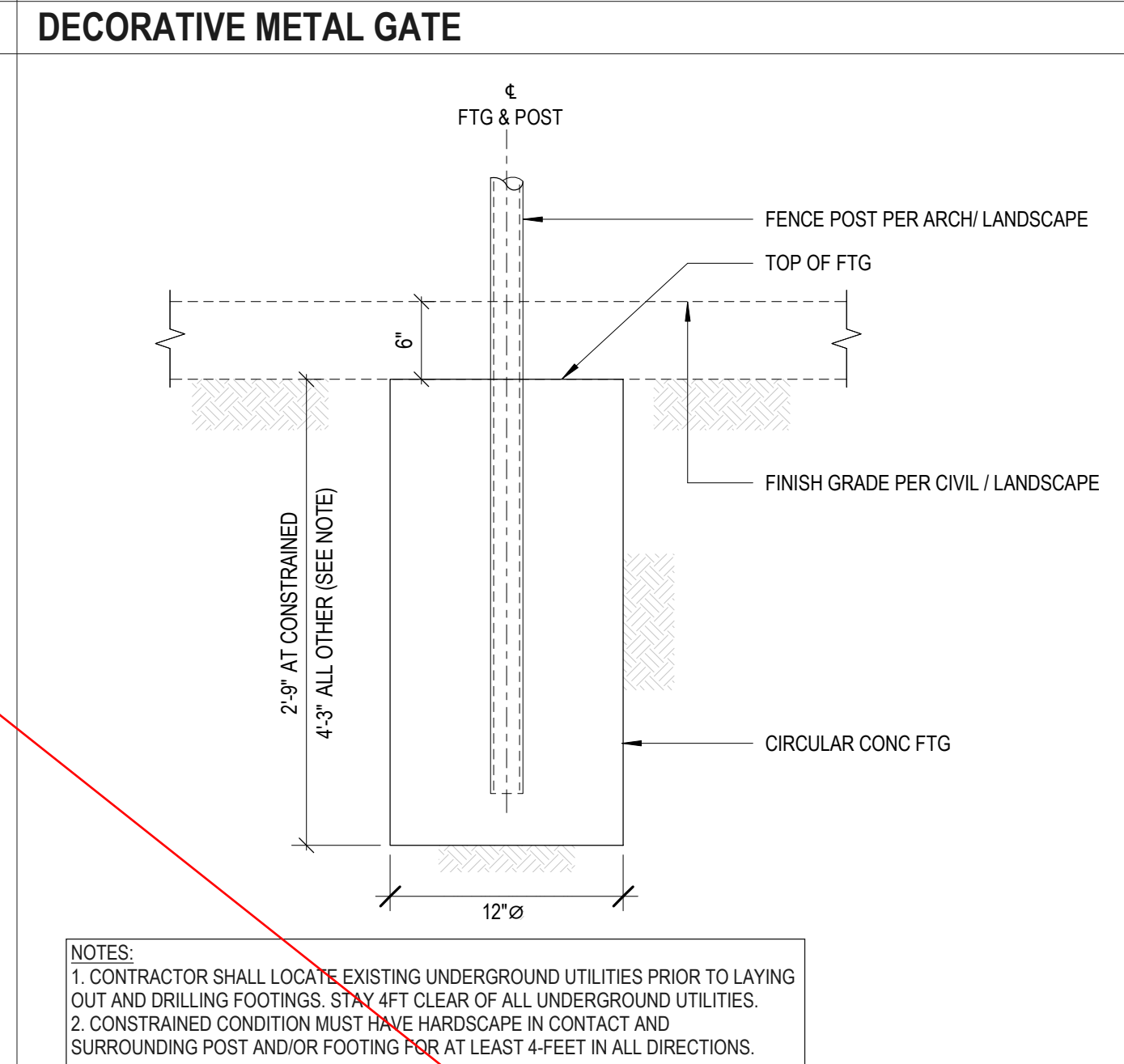
REINFORCING BAR LAP SPLICE LENGTH					
f _c (PSI)	BAR SIZE	#3	#4	#5	#6
	BAR DIAMETER, d _b (IN)	0.375	0.500	0.625	0.750
3000	TOP BAR	2'-0"	2'-8"	3'-4"	4'-0"
	BOTTOM BAR	1'-6"	2'-1"	2'-7"	3'-1"

- NOTES:
- THE ABOVE VALUES ARE FOR GRADE 60 DEFORMED STEEL REINFORCING BARS IN NORMAL WEIGHT CONCRETE.
 - THE ABOVE VALUES ARE FOR UNCOATED REINFORCEMENT.
 - TOP BARS ARE HORIZONTAL REINFORCEMENT WITH MORE THAN 12" OF NEW CONCRETE PLACED BELOW THE BAR.
 - BOTTOM BARS ARE ALL VERTICAL BARS, AND HORIZONTAL REINFORCEMENT WITH LESS THAN 12" OF NEW CONCRETE PLACED BELOW THE BAR.

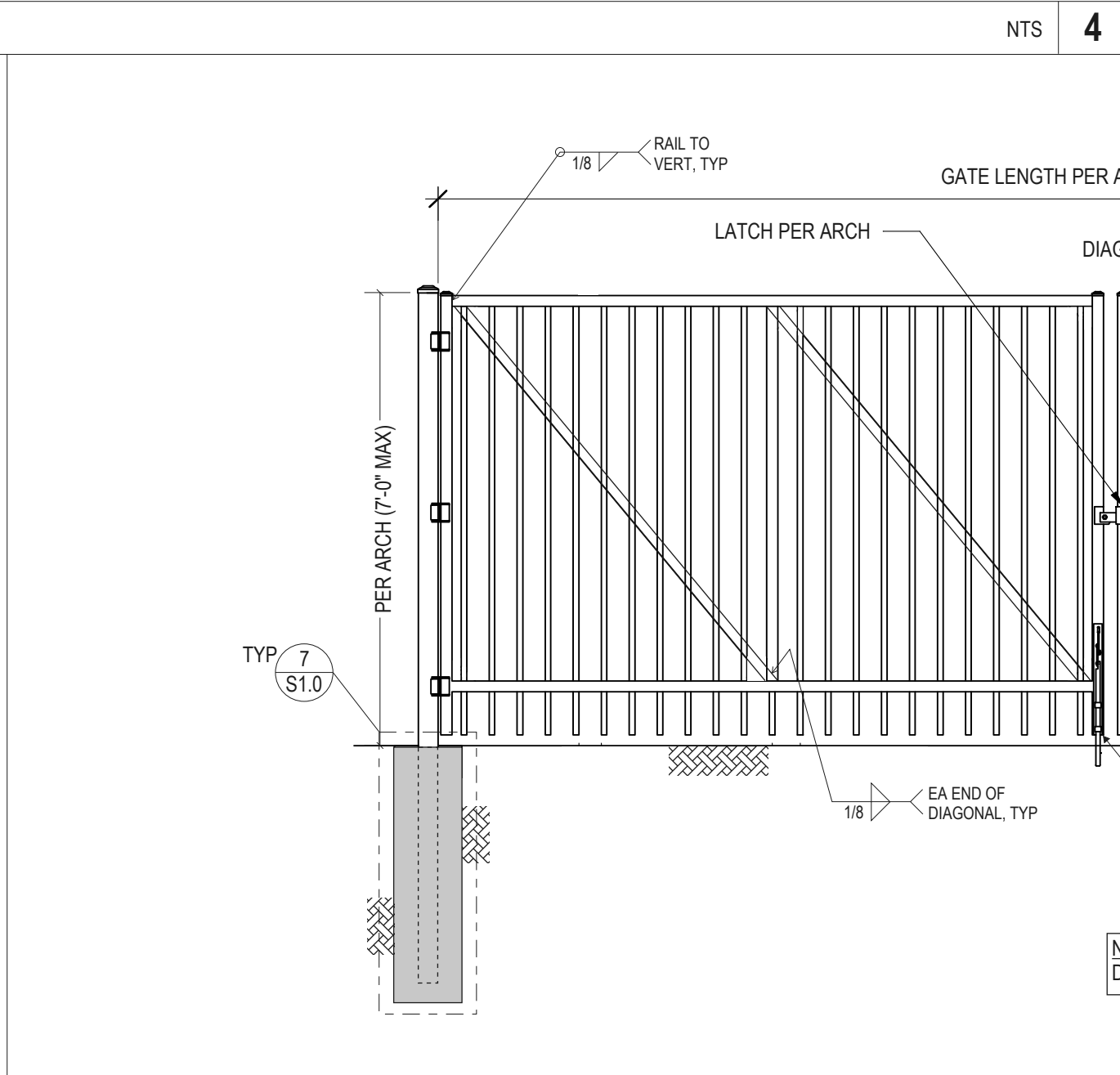
NORMAL WEIGHT CONCRETE REINFORCING BAR LAP SPLICE SCHEDULE



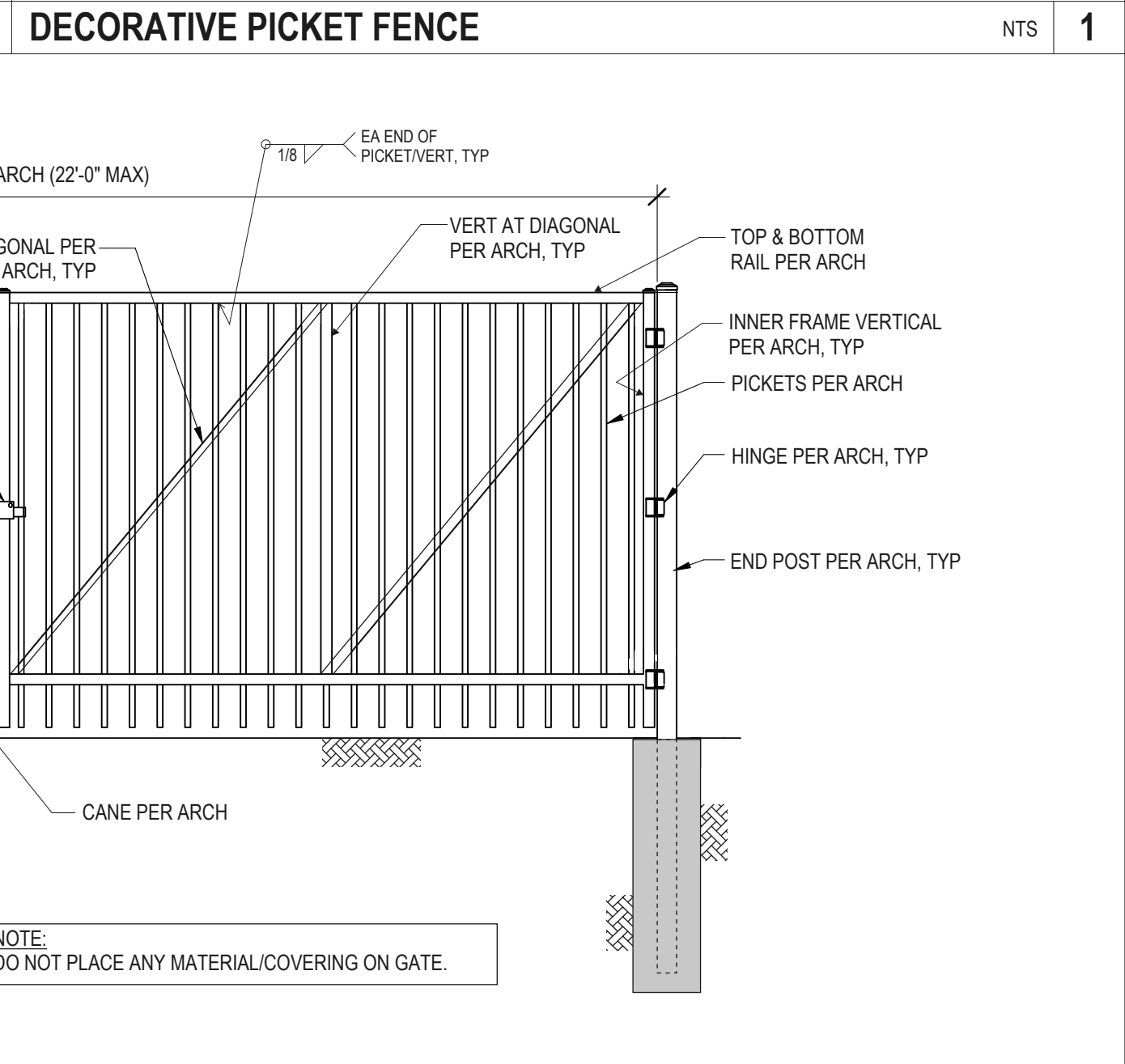
REINFORCING BAR BENDING DETAILS



FENCE POST FOOTING



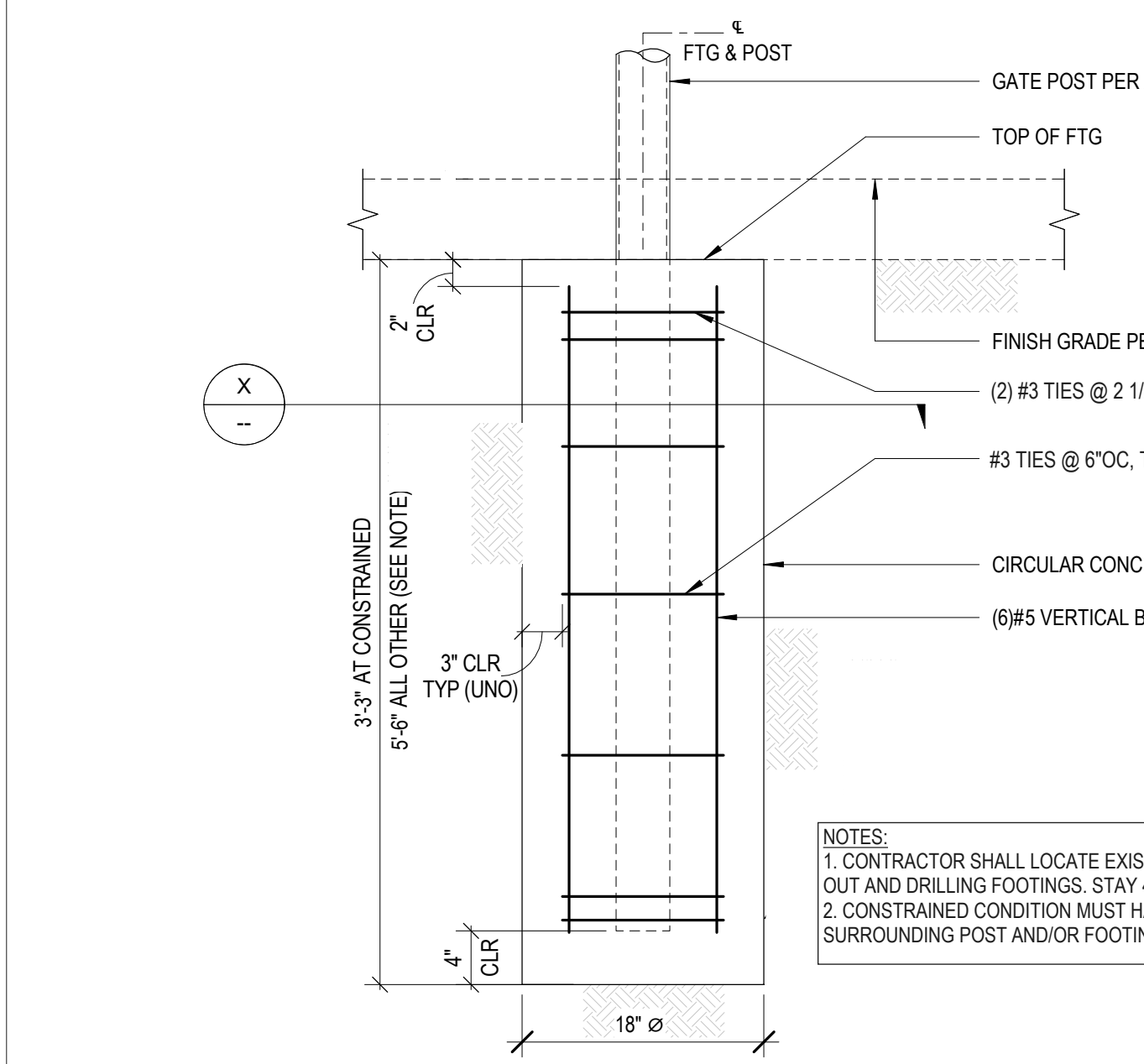
DECORATIVE METAL VEHICLE DOUBLE GATE



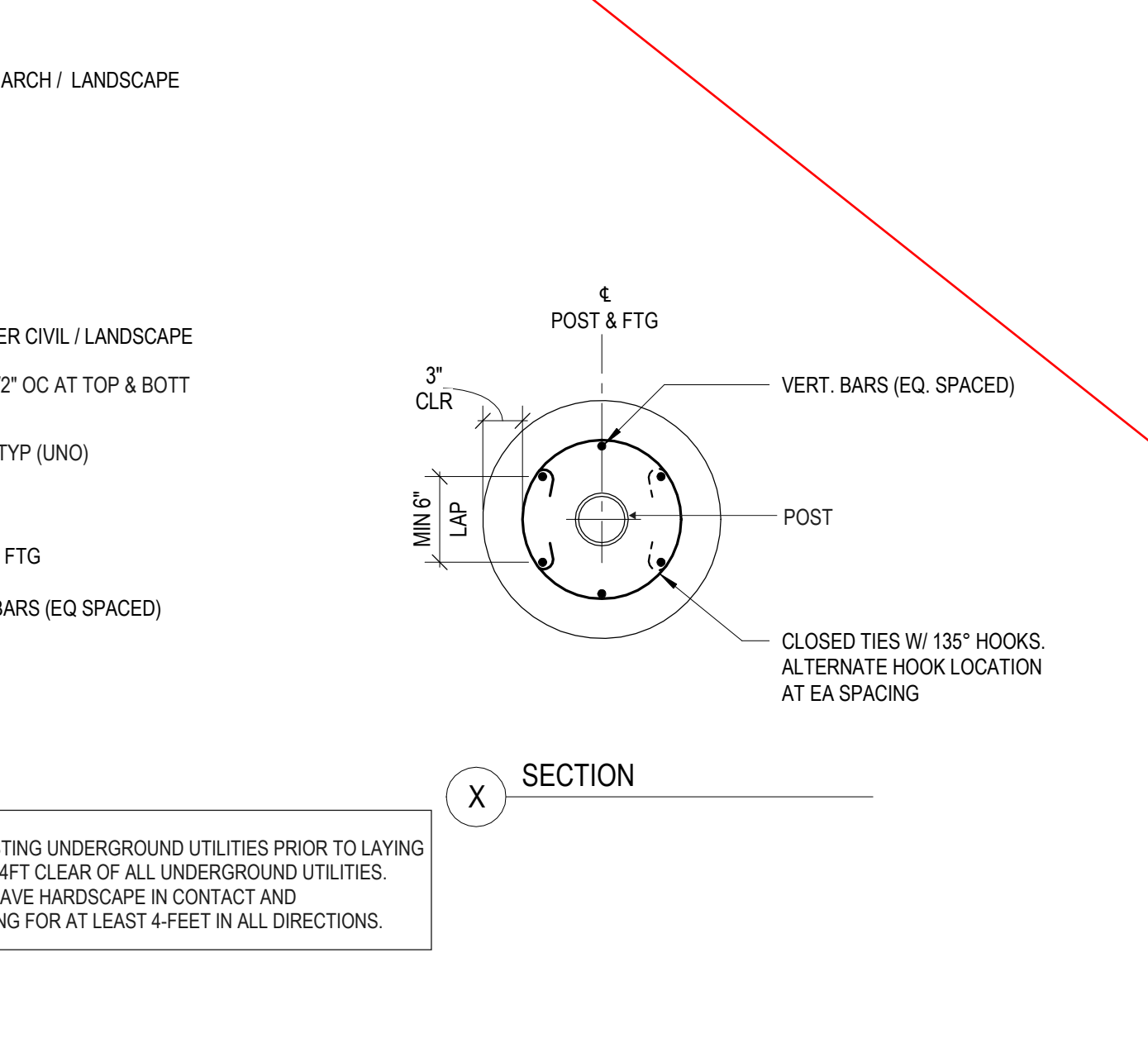
DECORATIVE PICKET FENCE



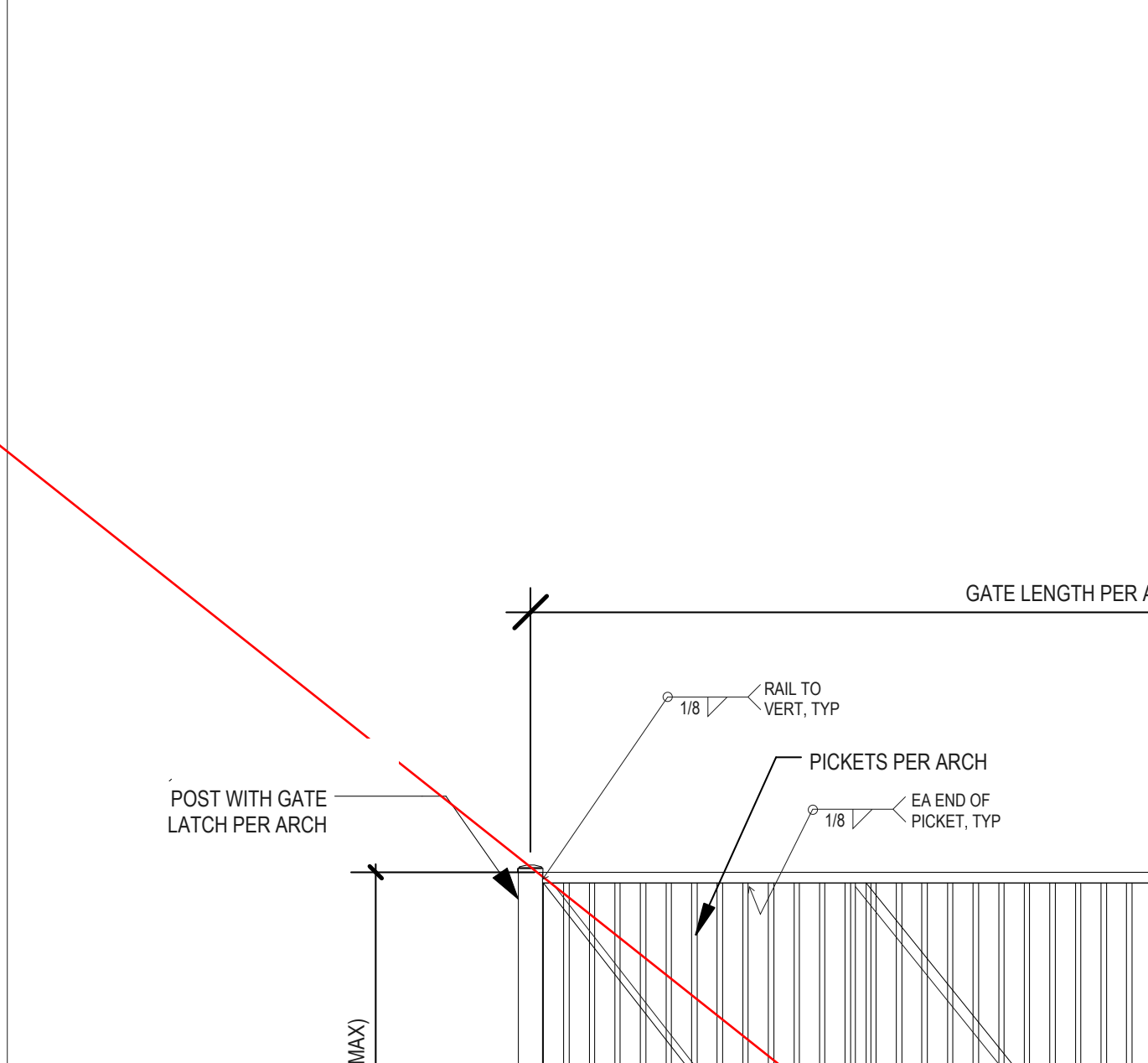
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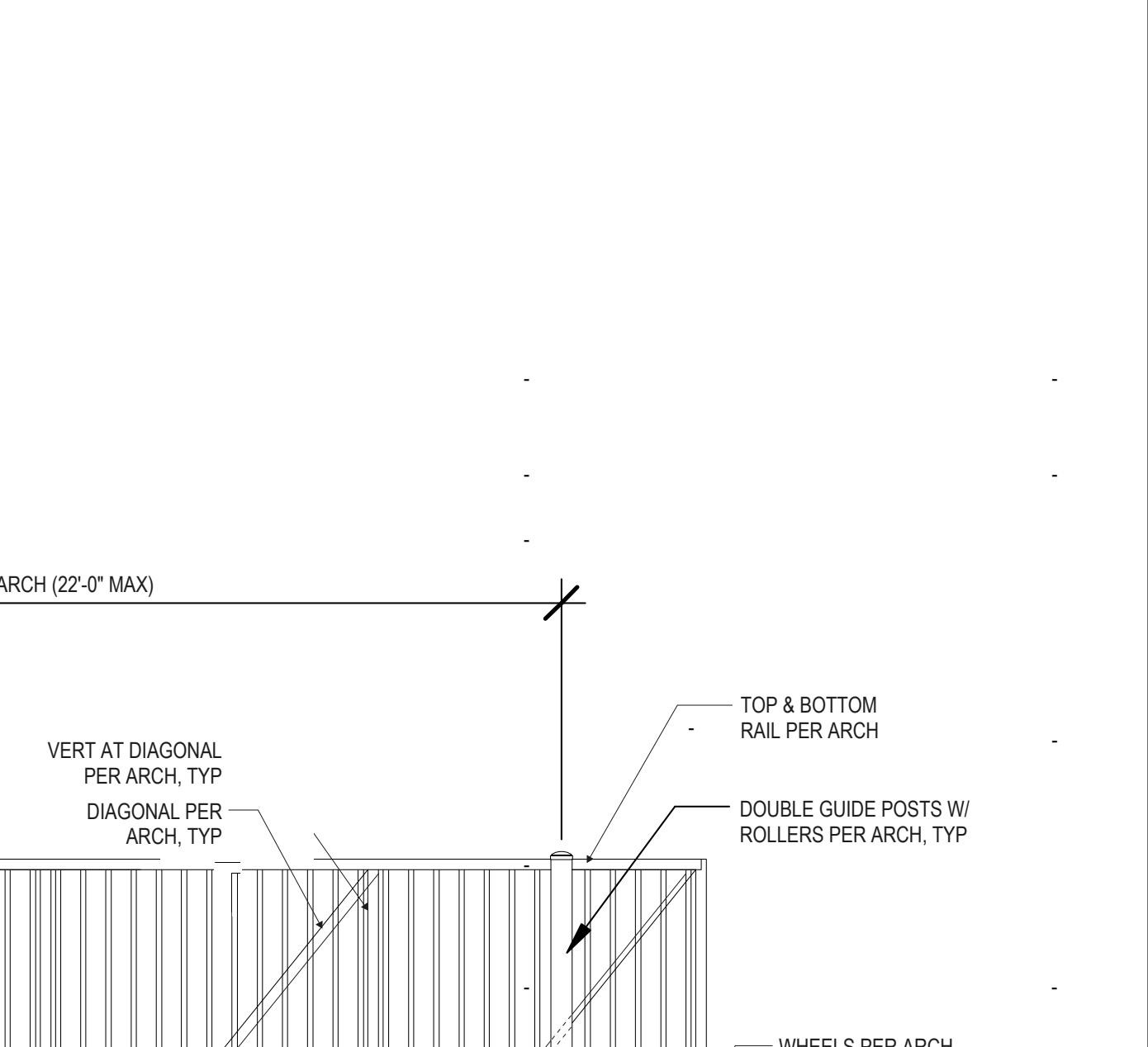
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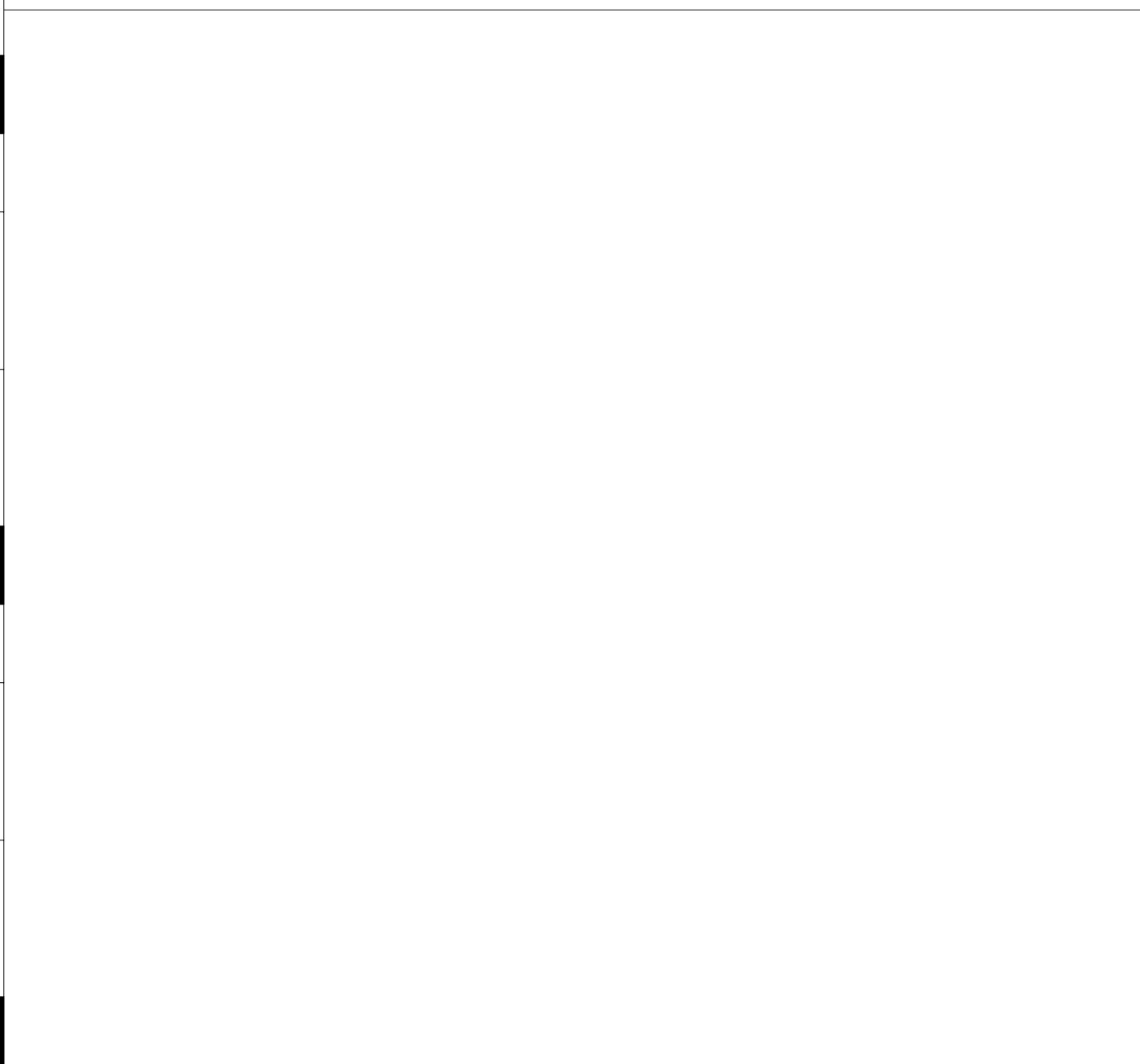
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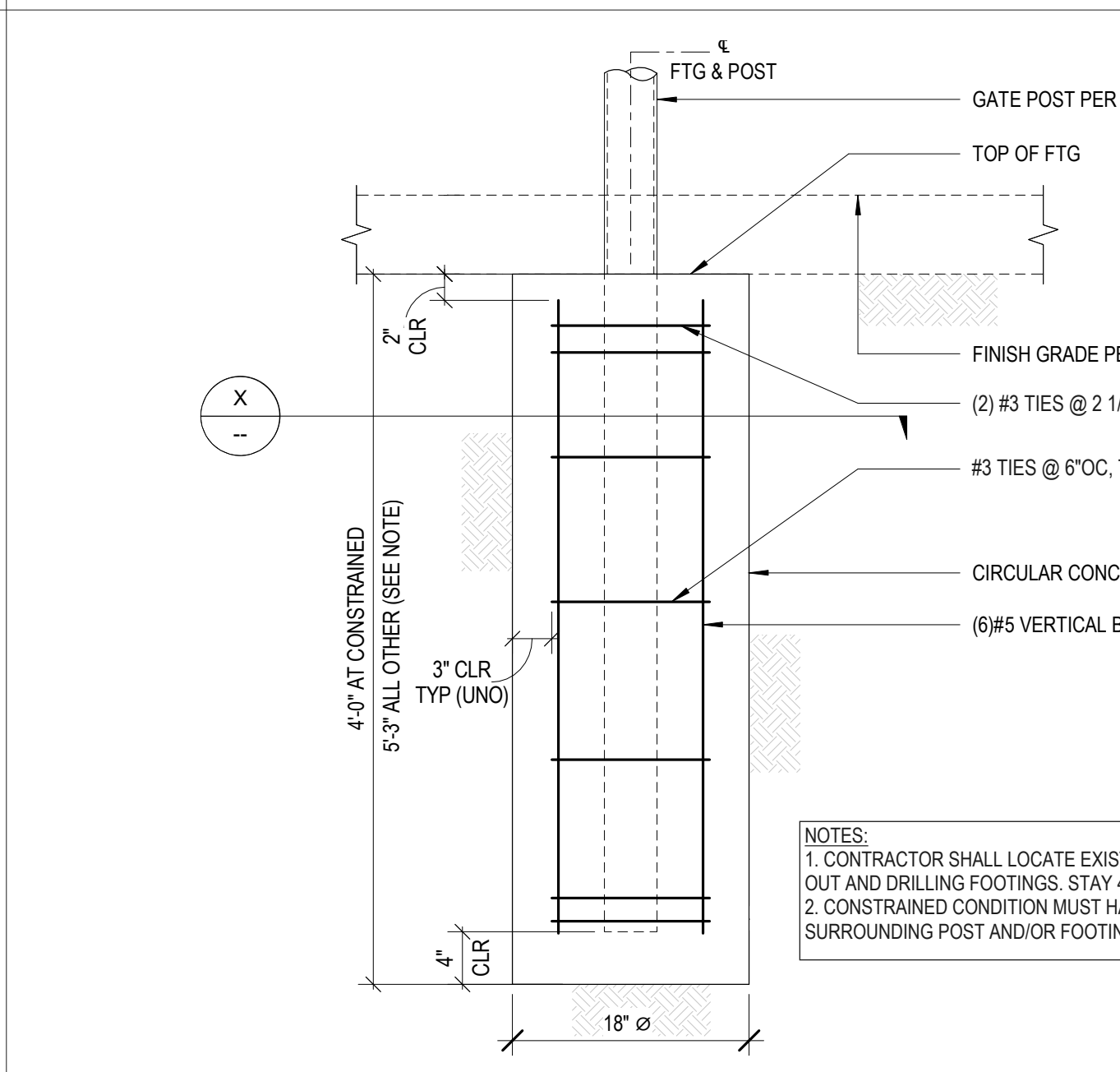
DECORATIVE METAL ROLLING GATE



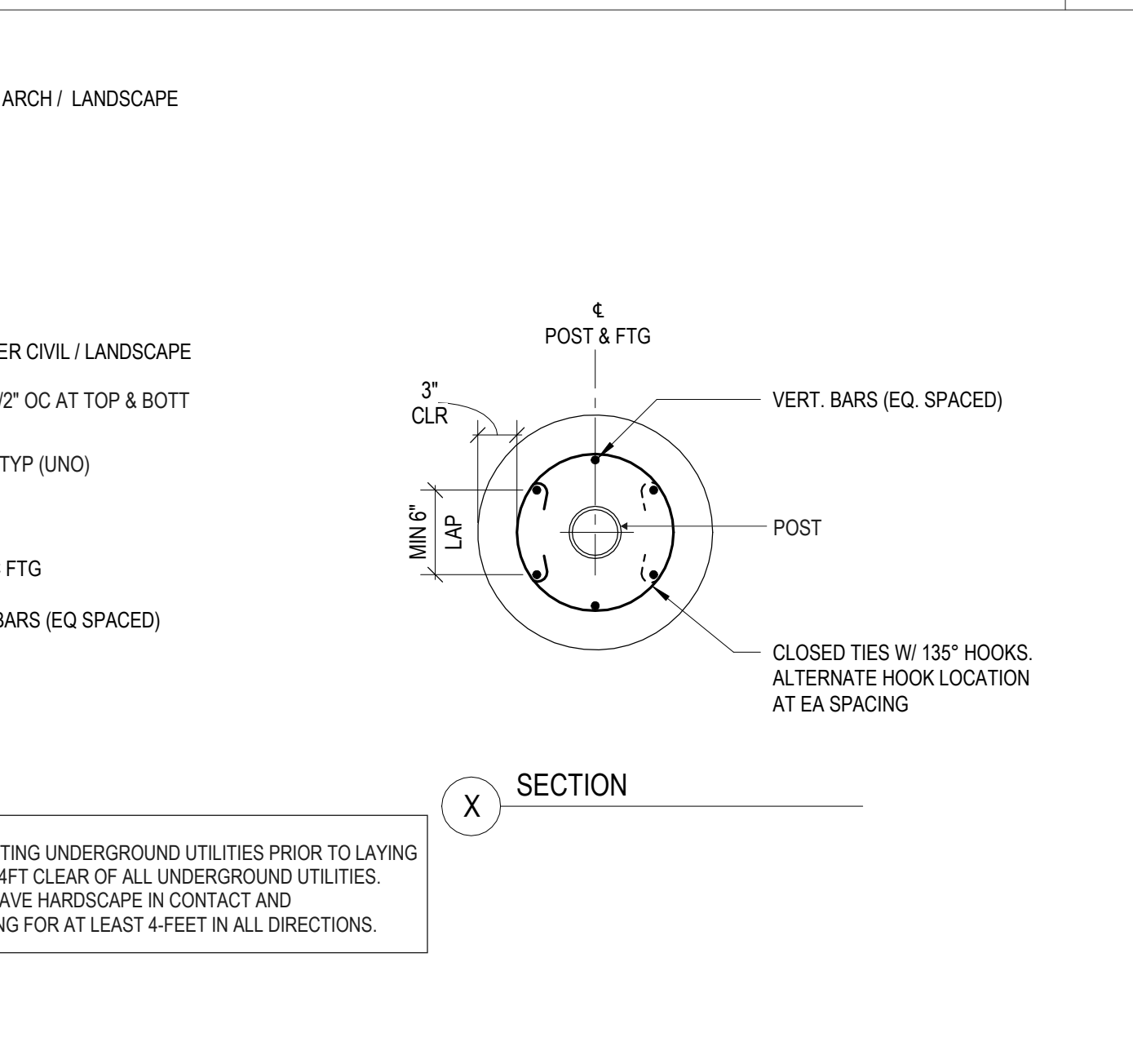
DECORATIVE METAL ROLLING GATE



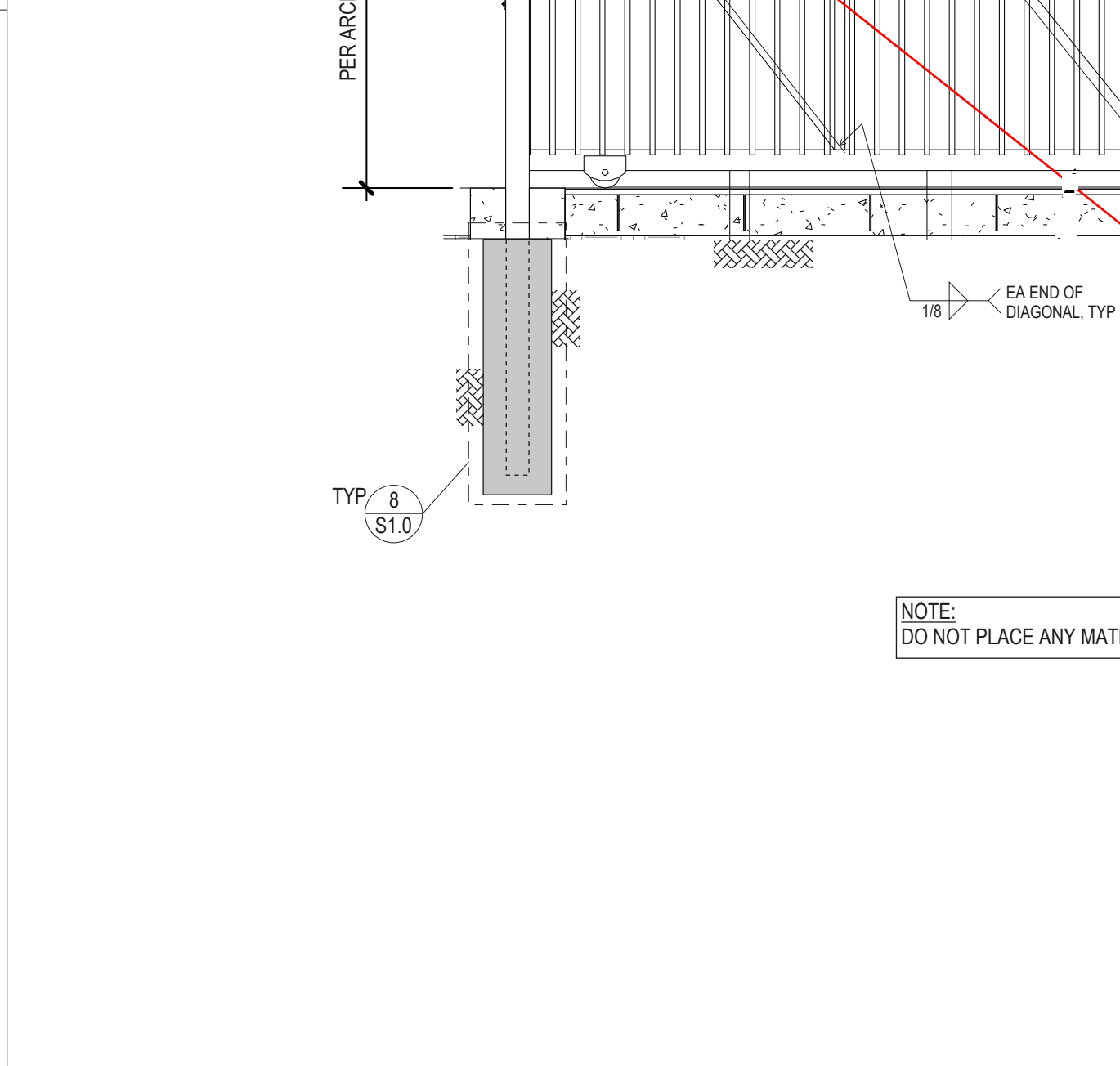
VEHICLE DOUBLE GATE POST FOOTING



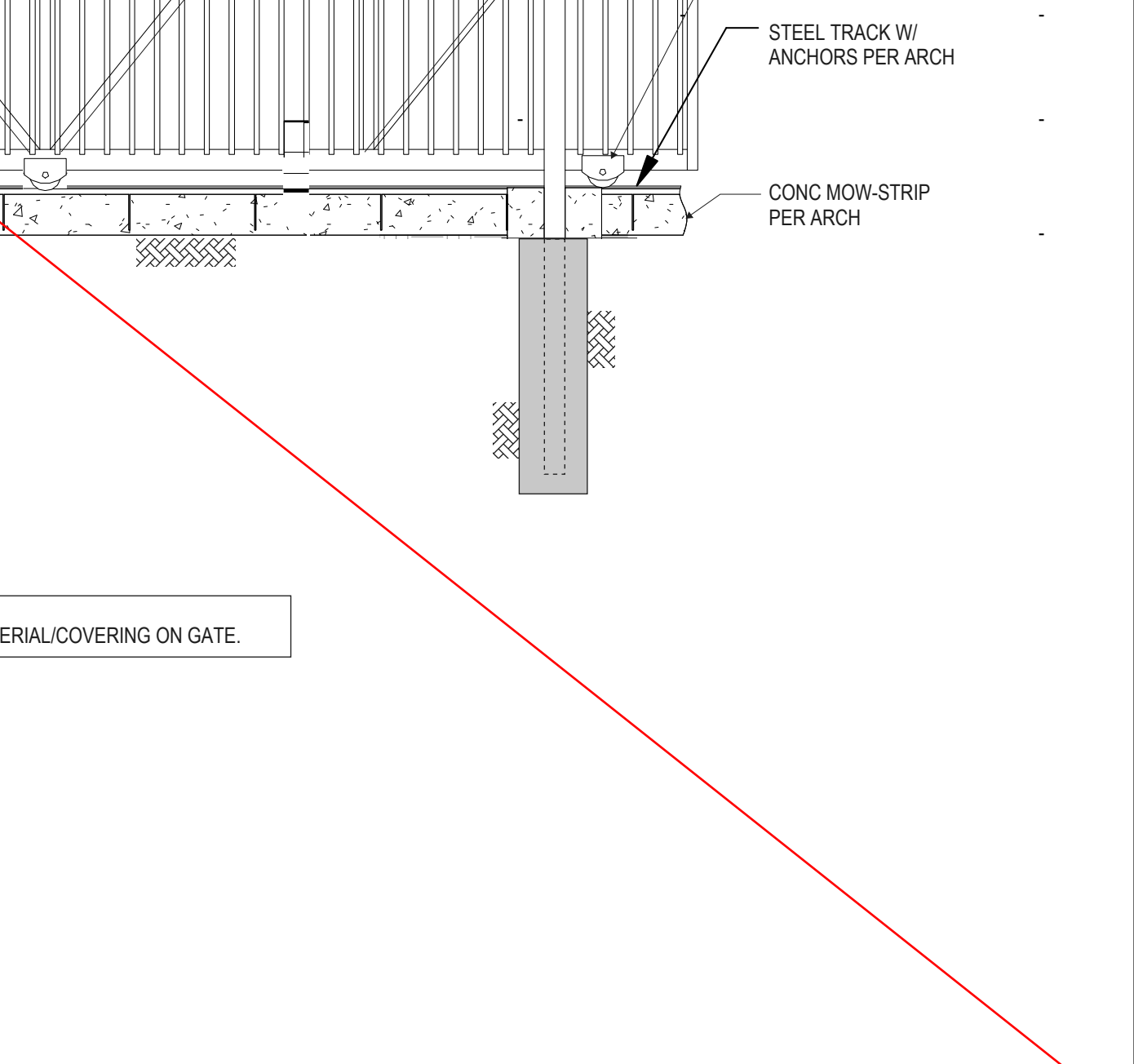
VEHICLE DOUBLE GATE POST FOOTING



VEHICLE DOUBLE GATE POST FOOTING



DECORATIVE METAL ROLLING GATE



DECORATIVE METAL ROLLING GATE

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STATE OF CALIFORNIA

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SHEET TITLE
TYPICAL FENCE AND GATE DETAILS

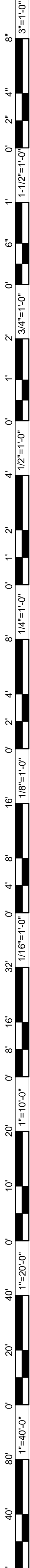
CONSTRUCTION DESIGN

Revision Schedule

NO.	Description	Date

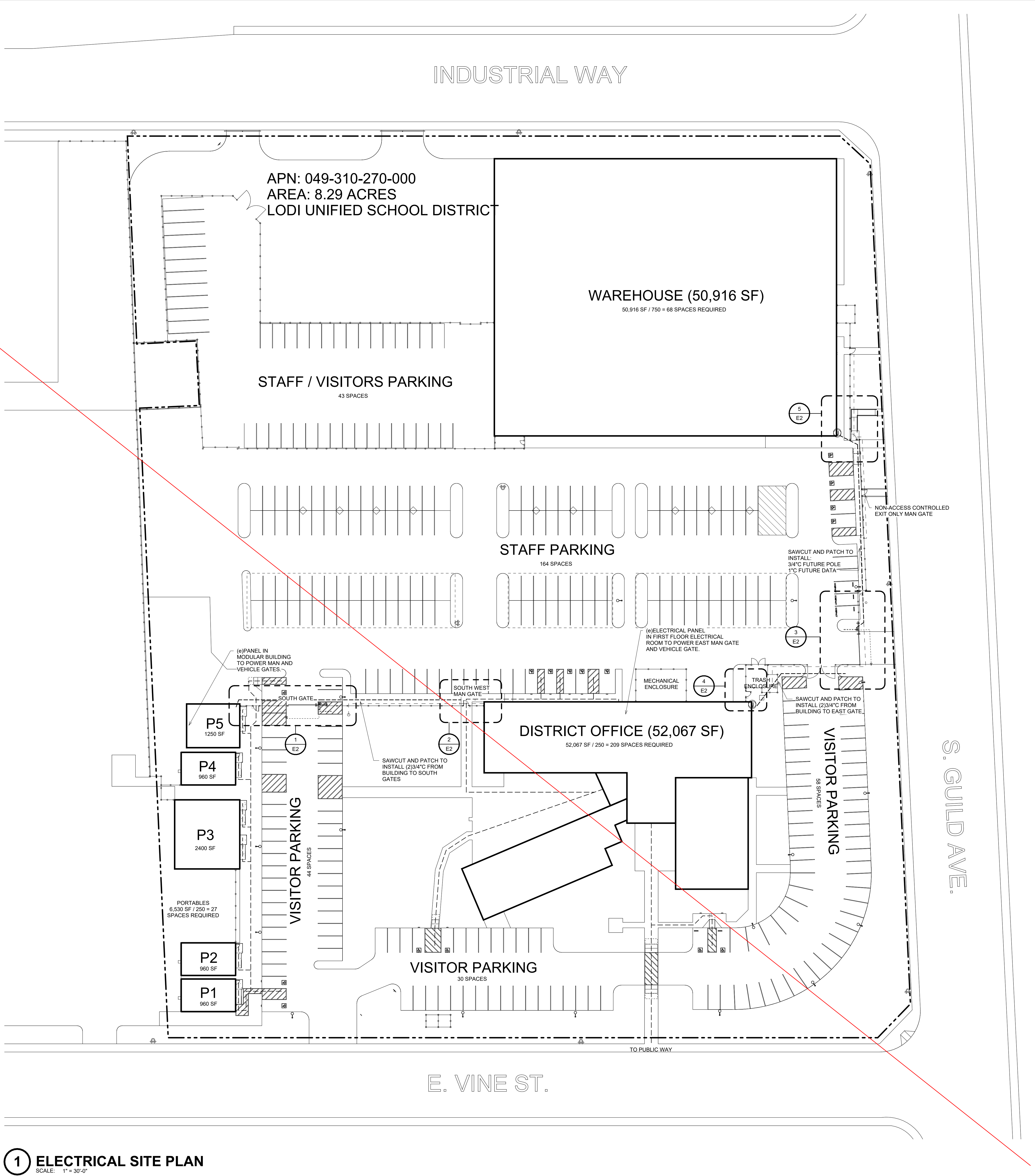
PROJECT # 25.034
ISSUE DATE: 07/02/2025

SHEET # **S0.0**



ELECTRICAL LEGEND		
DRAFTING NOTATIONS		ELECTRICAL ABBREVIATIONS:
	KEY NOTE, SEE SCHEDULE	AL = ALUMINUM
	EQUIPMENT TAG, SEE SCHEDULE	A = AMPERAGE
	REFERENCE TO A DETAIL VIEW "A" ON SHEET E-2	AIC = AMPS INTERRUPTING CAPACITY
	NEW ELECTRICAL CONDUIT AND WIRE	AFF = ABOVE FINISHED FLOOR
	EXISTING DEVICE, TO REMAIN IN OPERATION	AFG = ABOVE FINISHED GRADE
	REMOVE DEVICE, KEEP REMAINDER OF CIRCUIT IN OPERATION	CKT = CIRCUIT
	REMOVE, RELOCATE AND RECONNECT DEVICE ON EXISTING CIRCUIT, EXTEND CIRCUIT	CO = CONDUIT ONLY
		CU = COPPER
		EC = ELECTRICAL CONTRACTOR
		GC = GENERAL CONTRACTOR
		GFI = GROUND FAULT INTERRUPTER
		GND = GROUND
		KW = KILOWATT
		KVA = KILLO-VOLT-AMPERE
		LC = LIGHTING CONTRACTOR
		NO = NUMBER
		NL = NIGHT LIGHT
		PB = PULLBOX
		SP = SPACE
		UG = UNDERGROUND
		UON = UNLESS OTHERWISE NOTED
		V = VOLT
		WP = WEATHERPROOF
ELECTRICAL POWER		
	ALL LINE VOLTAGE WIRING IN CONDUIT, SEE GENERAL NOTES TICKS = # OF #12 WIRE, SHORT = HOT, LONG = NEUTRAL, DOT = GROUND, UNLESS NOTED OTHERWISE	
	120V OUTLET, +18" TO BOTTOM OF BOX S = SIGN F = FLOOR GFI = GROUND FAULT INTERRUPTER	
	COUNTER OUTLET, +44" TO TOP OF BOX.	
	QUADRUPLEX OUTLET	
	HALF SWITCHED OUTLETS	
	JUNCTION BOX WITH MOTOR TOGGLE DISCONNECT	
	JUNCTION BOX	
	MOTOR / DISCONNECT	
	PANELBOARD	
	TRANSFORMER / SWITCHBOARD AS NOTED	

- ELECTRICAL SPECIFICATIONS**
- GENERAL NOTES:**
- ELECTRICAL INSTALLATION SHALL COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, INCLUDING THE FOLLOWING:
TITLE 24, CCR, PART 2, 2022 CBC
TITLE 24, CCR, PART 3, 2022 CEC
TITLE 24, CCR, PART 4, 2022 CMC
TITLE 24, CCR, PART 9, 2022 CFC
ALL APPLICABLE LOCAL CODES.
 - ELECTRICAL CONTRACTOR SHALL PROCURE AND PAY FOR ALL LICENSES, ETC. REQUIRED TO CARRY ON AND COMPLETE THE WORK. PERMIT BY OWNER.
 - PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND PERFORM ALL OPERATIONS NECESSARY FOR ANY REASONABLE INCIDENTAL TO PROPER EXECUTION AND COMPLETION OF ALL "ELECTRICAL WORK" WHETHER SPECIFICALLY MENTIONED OR NOT; ALL AS INDICATED, SPECIFIED HEREIN, AND/OR IMPLIED THEREBY TO CARRY OUT THE APPARENT INTENT THEREOF.
 - ALL ELECTRICAL MATERIALS SHALL BE NEW AND LISTED WITH THE UNDERWRITERS' LABORATORIES, INC. SHALL MEET THEIR REQUIREMENTS AND SHALL BEAR THEIR LABEL WHEREVER STANDARDS HAVE BEEN ESTABLISHED AND LABEL SERVICE IS REGULARLY FURNISHED BY THAT AGENCY.
 - ELECTRICAL DRAWINGS ARE ESSENTIALLY DIAGRAMMATIC AND ALTHOUGH THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR LAYING OUT AND INSTALLING HIS WORK TO AVOID INTERFERENCE WITH OTHER TRADES.
 - CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE THWN UNLESS OTHERWISE NOTED OR REQUIRED BY CODE.
- NAMEPLATES & IDENTIFICATION:**
- INSTALL ENGRAVED NAMEPLATES FOR EACH PANELBOARD, CABINET, DISCONNECT, ETC. NAMEPLATES SHALL BE SECURELY FASTENED TO THE EQUIPMENT WITH #4 PHILLIPS ROUND HEAD CADMIUM PLATED SELF-TAPPING SCREWS, BRASS BOLT, OR WITH A PLASTIC RESIN ADHESIVE GLUE, GOODYEAR "PLIEBOND" OR EQUAL.
- WIRING METHODS:**
- ALL WIRING SHALL BE INSTALLED IN STEEL CONDUITS, CONCEALED IN WALL AND CEILING U.O.N.
 - MINIMUM CONDUIT SIZE SHALL BE 1/2". MINIMUM ACCEPTABLE CONDUITS ARE:
A. GALVANIZED RIGID STEEL.
B. GALVANIZED STEEL EMT.
C. LIQUID TIGHT STEEL FLEX - FOR FINAL CONNECTION TO OUTDOOR EQUIPMENT.
D. FLEXIBLE STEEL CONDUIT - FOR INDOOR FINAL CONNECTIONS TO MECHANICAL EQUIPMENT (NOT TO EXCEED 36").
E. PVC CONDUIT SCHEDULE 40, UNDERGROUND.
 - NMC CABLING SYSTEMS ARE NOT ALLOWED IN THIS BUILDING.
- SUPPORTS:**
- FURNISH ALL NECESSARY FOUNDATIONS, SUPPORTS, BACKING, ETC., FOR ALL ELECTRICAL ENCLOSURES, CONDUITS AND EQUIPMENT.
 - ATTACH ALL BOXES, CABINETS, ETC. TO WOOD WITH WOOD OR LAG SCREWS, TO METAL WITH MACHINE SCREWS OR BOLTS AND TO CONCRETE WITH EXPANSION ANCHORS AND MACHINE SCREWS OR BOLTS.
- GROUNDING:**
- GROUND AND BOND ALL EQUIPMENT AS REQUIRED BY GOVERNING CODES AND SPECIFICALLY INCLUDING SWITCHBOARD, PANELBOARDS, MOTOR CASES, ETC.
- PANELBOARDS:**
- UNITS SHALL BE FLUSH OR SURFACE MOUNTED AS INDICATED ON THE PANEL SCHEDULE, WITH THE NUMBER AND SIZE OF BREAKERS INDICATED ON THE PANEL SCHEDULE. SINGLE POLE, TWO POLE AND THREE POLE BREAKERS SHALL BE BOLT-ON TYPE. THE PANEL DOORS SHALL HAVE FLUSH TYPE LOCKS. ALL LOCKS SHALL BE KEYPED ALIKE AND HAVE TYPEWRITTEN DIRECTORIES INDICATING FIXTURES, EQUIPMENT, OR OUTLETS SERVICED BY EACH BREAKER. ALL BUSSING SHALL BE COPPER.
- TESTING:**
- THE ENTIRE ELECTRICAL INSTALLATION SHALL BE FREE FROM SHORT CIRCUITS AND IMPROPER GROUNDING. TEST ALL WIRING AND CONNECTIONS FOR CONTINUITY AND GROUNDING BEFORE ANY FIXTURES OR EQUIPMENT ARE CONNECTED AND WHETHER SUCH TESTS INDICATE FAULTY INSULATION OR OTHER DEFECTS, THEY SHALL BE LOCATED, REPAIRED AND RETESTED AT THE CONTRACTOR'S EXPENSE.
 - DEMONSTRATE TO THE OWNER AND THE ARCHITECT, THAT THE ENTIRE INSTALLATION IS COMPLETE, IN PROPER OPERATING CONDITION AND THAT THE CONTRACT HAS BEEN PROPERLY AND FULLY EXECUTED. PROVIDE ALL INSTRUMENTS TO MAKE SUCH TESTS.



1 ELECTRICAL SITE PLAN
SCALE: 1" = 30'-0"

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SHEET TITLE:
ELECTRICAL SITE PLAN

Revision Schedule		
NO.	Description	Date

PROJECT # 25.034	SHEET # E1
ISSUE DATE: 07/02/2025	

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