

SOLANO AUTO TECH SECURITY ENHANCEMENT

1687 NORTH ASCOT PARKWAY
VALLEJO, CA 94591

SOLANO COMMUNITY COLLEGE CONSTRUCTION DOCUMENTS

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-119982 INC:
REVIEWED FOR
SS FLS ACS
DATE: 07/20/2022

aedis
architects

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DSA FILE NUMBER **48-C1**
DSA APPLICATION NUMBER **02-119982**

PROJECT
**SOLANO AUTO
TECH SECURITY
ENHANCEMENT**



SOLANO COMMUNITY
COLLEGE

CONSULTANT



REVISIONS

No. Description Date

△

MILESTONES

DSA SUBMITTAL 04.01.2022

DSA BACKCHECK 07.20.2022

SHEET

TITLE SHEET

DRAWING INDEX

- T1 TITLE SHEET
- ARCHITECTURAL**
- A0.01 SITE PLAN, FIRE DEPARTMENT ACCESS PLAN AND BUILDING ANALYSIS
 - A1.01 DEMOLITION SITE PLAN
 - A1.03 ENLARGED SITE PLAN
 - A1.05 SITE DETAILS
 - A1.06 SITE DETAILS
 - A3.10 ENLARGED (E) RESTROOM PLANS & ELEVATION, NO WORK

STRUCTURAL

- S1.0 STRUCTURAL NOTES & DETAILS
 - S1.1 DETAILS
 - S2.0 KEY PLAN & ENLARGED FOUNDATION PLANS
- * ELECTRICAL**
- E0.01 ABBREVIATIONS, SYMBOLS, NOTES, ONE-LINE, PANELS, & SHEET INDEX.
 - E0.02 TITLE 24 COMPLIANCE
 - E0.03 ELECTRICAL SPECIFICATIONS
 - E0.04 ELECTRICAL SPECIFICATIONS
 - E1.01 OVERALL SITE PLAN - ELECTRICAL

SHEET COUNT: 15 TOTAL

ABBREVIATIONS

Ⓢ	AND	LAB	LABORATORY
Ⓢ	AT	LAM.	LAMINATE
A.B.	ANCHOR BOLT	LAV.	LAVATORY
ABV.	ABOVE	LKR.	LOCKER
A.C.	ASPHALTIC CONCRETE	LV.	LIGHT
ACT	ACRYSTIC TILE	MAX.	MAXIMUM
ADJ.	ADJUSTABLE	M.B.	MACHINE BOLT
A.F.F.	ABOVE FINISHED FLOOR	MECH.	MECHANICAL
ALUM.	ALUMINUM	MFR.	MANUFACTURER
AP	ACCESS PANEL	M.H.	MANHOLE
APPROX.	APPROXIMATELY	MIN.	MINIMUM
ARCH.	ARCHITECT	MIR.	MIRROR
BD.	BOARD	MISC.	MISCELLANEOUS
BLDG.	BUILDING	M.O.	MASONRY OPENING
BLKG.	BLOCKING	M.S.	MACHINE SCREW
BM	BEAM	MTD.	MOUNTED
B.M.	BENCH MARK	MTL.	METAL
BOT.	BOTTOM	MUL.	MULLION
B.TWN.	BETWEEN	(N)	NEW
B.W.	BOTH WAYS	(N)	NORTH
CAB.	CATCH BASIN	N.I.C.	NOT IN CONTRACT
C.B.	CENTER TO CENTER	NO. or #	NUMBER
C.C. or O.C.	CENTER TO CENTER	NOM.	NOMINAL
C&E.	CEMENT	N.T.S.	NOT TO SCALE
CER. TILE	CERAMIC TILE	OBS.	OBSOLETE
C.G.	CORNER GUARD	O.C.	ON CENTER
C.I.	CAST IRON	OCC.	OCCUPANT(CY)
C.J.	CONTROL JOINT	O.D.	OVERFLOW DRAIN and/or OUTSIDE DIAMETER
CLG.	CEILING	O.F.O.S.	OUTSIDE FACE OF STUD
CLKG.	CALLING	O.F.C.I.	OWNER FURNISHED and CONTRACTOR INSTALLED
CLR.	CONCRETE MASONRY UNIT	O.H.	OPPOSITE HAND
CMU	COUNTER	OPNG.	OPENING
CNTR.	CLEANOUT	OPP.	OPPOSITE
C.O.	CONCRETE	P.A.F.	POWDER ACTUATED FASTENER
CONC.	CONSTRUCTION	PL.	PLATE
CONST.	CONTRACTOR	P.L.	PROPERTY LINE
CONT.	CONCRETE PIPE	P.LAM.	PLASTIC LAMINATE
CTR.	CENTER	PLAS.	PLASTER
CTSK.	COUNTER SINK	PLYWD.	PLYWOOD
C.W.	COLD WATER	PR.	PAIR
D.A.	DISABLED ACCESS	PTD.	PAINTED
DBL.	DOUBLE	PTN.	PARTITION
D.F.	DRINKING FOUNTAIN	Q.T.	QUARRY TILE
D.F.R.	DOUGLAS FIR	R. or RAD.	RADIUS
DTL.	DETAIL	R.C.P.	REINFORCED CONCRETE PIPE
DA, or Ø	DIAMETER	R.D.	ROOF DRAIN
DM.	DIAMETER	R.E.	RIM ELEVATION
DISP.	DISPOSAL	REF.	REFERENCE
DN	DOWN	REF.	REINFORCING
DO	DOOR	REIN.	REINFORCING
DR.	DOOR	RECD.	REQUIRED
DRS.	DRIPSCOUT	R.H.M.S.	ROUND HEAD METAL SCREW
DWG.	DRAWING	R.H.W.S.	ROUND HEAD WOOD SCREW
(E)	EXISTING	RM.	ROOM
E.	EAST	R.O.	ROUGH OPENING
E.A.	EXPANSION JOINT	RWD.	REDWOOD
E.J.	ELECTRICAL	R.W.L.	RAIN WATER LEADER
ELEC.	ELECTRICAL	R.W.L.	RAIN WATER LEADER
EL.	ELEVATION	S.	SOUTH
ELEV.	ELEVATOR	S.A.D.	SEE ARCHITECTURAL DRAWINGS
ENCL.	ENCLOSURE and/or ENCLOSURE	S.C.	SOLID CORE
EQ.	EQUIPMENT	S.C.D.	SEE CIVIL DRAWINGS
E.Q.P.	EQUIPMENT	SCHED.	SCHEDULE
E.W.	EACH WAY	S.E.D.	SEE ELECTRICAL DRAWINGS
E.W.C.	ELECTRIC WATER COOLER	S.F.	SQUARE FEET
EX.	EXPANSION	SHT.	SHEET
EXP.	EXPOSED	SIM.	SIMILAR
EXT.	EXTERIOR	S.L.D.	SEE LANDSCAPE DRAWINGS
F.A.	FIRE ALARM	SM.	SHEET METAL
F.D.	FLOOR DRAIN	S.M.D.	SEE MECHANICAL DRAWINGS
FDN.	FOUNDATION	S.M.S.	SHEET METAL SCREW
F.E.C.	FIRE EXTINGUISHER	SHUT OF V.	SHUT OFF VALVE
F.E.C.	FIRE EXTINGUISHER CABINET	S.P.D.	SEE PLUMBING DRAWINGS
F.H.	FIRE HYDRANT	SPEC.	SPECIFICATIONS
F.H.C.	FIRE HYDRANT CABINET	SQ. or Ø	SQUARE
F.H.S.M.S.	FLAT HEAD SHEET METAL SCREW	S.S.	STAINLESS STEEL
F.H.W.S.	FLAT HEAD WOOD SCREW	S.S.D.	SEE STRUCTURAL DRAWINGS
FN.	FINISH	STAG.	STAGGERED
FL. or FLR.	FLOOR	STD.	STANDARD
F.O.F.	FACE OF CONCRETE	STL.	STEEL
F.O.F.	FACE OF FINISH	STRUC.	STRUCTURAL
F.O.M.	FACE OF MASONRY	S.T.S.M.S.	SELF TAPPING SHEET METAL SCREW
F.O.S.	FACE OF STUD	SUSP.	SUSPENDED
F.S.	FINISH SLAB	T.A.G.	TONGUE & GROOVE
FT.	FOOT OR FEET	TEL.	TELEPHONE
FTG.	FOOTING	TERR.	TERRAZZO
FURR.	FURRING	THRES.	THRESHOLD
GA.	GAUGE	T.J.	TOOLED JOINT
GALV.	GALVANIZED	T.O.B.	TOP OF BEAM
G.B.	GRAB BAR	T.O.C.	TOP OF CURB or CONCRETE
GL.	GALVANIZED IRON	T.O.S.	TOP OF STEEL or SLAB
GL.	GLASS	T.O.W.	TOP OF WALL
GLU-LAM	GLUE LAMINATED	TYP.	TYPICAL
GND.	GROUND	U.O.N.	UNLESS OTHERWISE NOTED
GR.	GRADE	VERT.	VERTICAL
GYP.	GYPSUM	V.C.P.	VITRIFIED CLAY PIPE
H.B.	HOSE BIBB	V.G.	VERTICAL GRAB
H.C.	HOLLOW CORE	V.G.	VERTICAL GRAB
HOWD.	HARDWOOD	V.I.F.	VERIFY IN FIELD
HOWR.	HARDWARE	V.T.R.	VENT THROUGH ROOF
H.M.	HOLLOW METAL	V.V.C.	VINYL WALL COVERING
HORIZ.	HORIZONTAL	W.	WEST
HUR.	HEIGHT	W.	WITH
HT.	HEIGHT	W.C.	WATER CLOSET
I.D.	INSIDE DIAMETER	WO.	WOOD
INSUL.	INSULATION	W.H.	WATER HEATER
INT.	INTERIOR	WOOD.	WOOD
INV.	INVERT	WO.	WOOD
JAN.	JANITOR	W.P.	WATERPROOF / WEATHERPROOF
JT.	JOINT	W.P.T.	WORKING POINT
K.D.	KILN DRIED	W.R.	WATER RESISTANT
		WT.	WEIGHT

BOARD OF TRUSTEES

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(916) 256-2480

GEOTECHNICAL

KC ENGINEERING COMPANY
895 COTTING LANE, SUITE A
VACAVILLE, CA 95688
(707) 447-4025

REFERENCE STANDARDS

PARTIAL LIST OF APPLICABLE STANDARDS (AS REFERENCED IN 2016 CBC - CHAPTER 35 & CFC):

ADA STANDARDS FOR ACCESSIBLE DESIGN (APPENDIX A OF 28 CFR PART 36)	2010 EDITION
ASME 17.1 2016 SAFETY CODE FOR ELEVATORS AND ESCALATORS (ASME A17.1-2016/CSA B44-18)	2019 EDITION
NFPA 13 STANDARD FOR INSTALLATION OF SPRINKLER SYSTEMS	2019 EDITION
NFPA 14 STANDARD FOR THE INSTALLATION OF STANDPIPE AND HOSE SYSTEMS	2019 EDITION
NFPA 17 STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 17-A STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2017 EDITION
NFPA 20 STANDARD FOR THE INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION	2019 EDITION
NFPA 22 STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2019 EDITION
NFPA 24 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTENANCES	2019 EDITION
NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE	2019 EDITION
NFPA 80 STANDARD FOR FIRE DOOR AND OTHER OPENING PROTECTIVES	2019 EDITION
NFPA 110 STANDARD FOR EMERGENCY AND STANDBY POWER SYSTEMS	2019 EDITION
NFPA 253 STANDARD METHOD OF TEST FOR CRITICAL RADIANT FLUX OF FLOOR COVERING SYSTEMS USING A RADIANT HEAT ENERGY SOURCE	2019 EDITION
NFPA 2001 STANDARD ON CLEAN AGENT FIRE EXTINGUISHER SYSTEMS	2018 EDITION

ADMINISTRATIVE REQUIREMENTS

- A COPY OF PART 1 AND 2 COR SHALL BE KEPT ON SITE AT ALL TIMES.
- ALL CONSTRUCTION CHANGE DOCUMENTS AND ADDENDA TO BE SIGNED BY THE ARCHITECT, THE OWNER, AND APPROVED BY DSA. CONSTRUCTION CHANGE DOCUMENTS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338.
- ALL TESTS TO CONFORM TO THE REQUIREMENTS OF SECTION 4-335.
- TESTS OF MATERIALS AND TESTING LABORATORY SHALL BE IN ACCORDANCE WITH SECTION 4-335.
- DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION AND PRIOR TO PLACEMENT OF CONCRETE PER SECTION 4-331.
- INSPECTOR SHALL BE APPROVED BY DSA, MIN CLASS 3 DSA PROJECT INSPECTOR IS REQUIRED. INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-333(B). THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH SECTION 4-342.
- SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH 4-334.
- CONTRACTOR, INSPECTOR, ARCHITECT, AND ENGINEERS SHALL SUBMIT VERIFIED REPORTS (FORM 6) IN ACCORDANCE WITH SECTION 4-336 AND 4-343.
- THE ARCHITECT AND THE STRUCTURAL ENGINEERS SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTIONS 4-333(a) AND 4-341.
- THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH SECTION 4-343.
- THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS THE (RE)CONSTRUCTION OF A SCHOOL BUILDING(S) IN ACCORDANCE WITH TITLE 24, C.C.R. SHOULD ANY CONDITIONS DEVELOP NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID C.C.R. A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.
- DSA IS NOT SUBJECT TO ARBITRATION.

SYMBOL LEGEND

REFER TO ARCHITECTURAL FLOOR PLAN SHEETS AND CONSULTANT DRAWINGS FOR ADDITIONAL SYMBOLS AND REFERENCE DESIGNATIONS

DIMENSION REFERENCE

10" FACE OF OBJECT

10" CENTER LINE OF OBJECT

TAGS AND MARKERS

0 PLAN REFERENCE GRID

STRUCTURAL GRID LINE

1 REVISION MARKER

1 PLAN KEY NOTES

101 ROOM LABEL

ROOM NAME

ROOM NUMBER

101a WALL TYPE MARKER

DOOR ID

DOOR DESIGNATION

ROOM NUMBER

℄ CENTER LINE

XX-1 FINISH TAG

XX-1 FLOOR FINISH TAG

MATERIALS REFERENCE

EARTH

GRAVEL / ROCK

CONCRETE

CONCRETE BLOCK (CMU)

SAND, GROUT, OR PLASTER

STEEL

PLYWOOD

WOOD, CONTINUOUS MEMBER

WOOD, BLOCKING

WOOD, FINISH GRADE

CABINET TYPES

PC - PREFINISHED CABINETS

PM - PREFINISHED MOBILE CABINETS

PR - PREFINISHED MOVEABLE CABINETS

PU - PREFINISHED UTILITY CABINETS

PS - SCIENCE CABINETS

NOTE: REFER TO SPECIFICATIONS FOR SPECIFIC CABINET TYPE REQUIREMENTS.

SECTION REFERENCE

SECTION NUMBER

REFERENCE LABEL WHERE OCCURS

SHEET NUMBER

DETAIL REFERENCE

DETAIL NUMBER

REFERENCE LABEL WHERE OCCURS

SHEET NUMBER

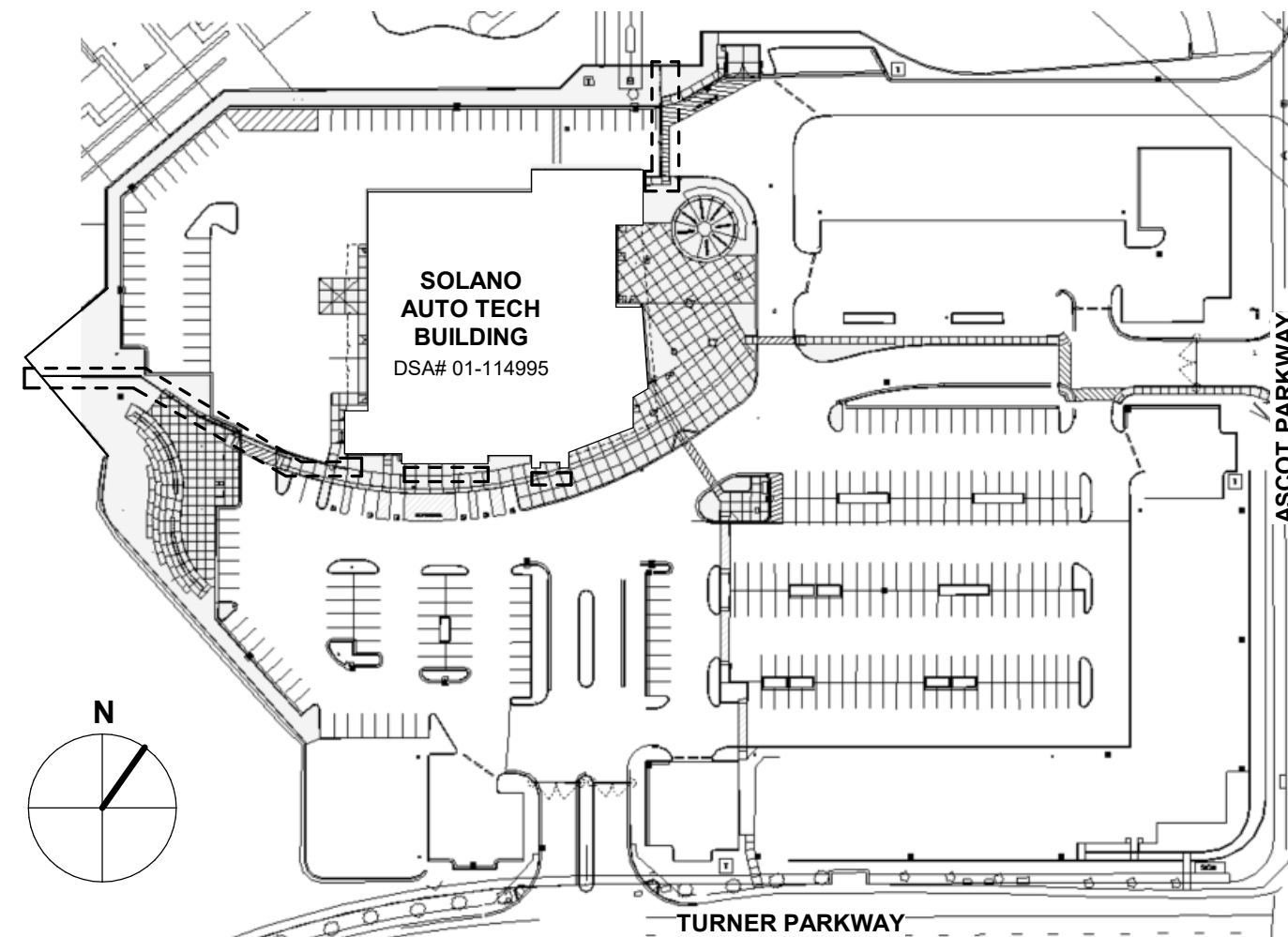
LOCATION MAP



SCOPE OF WORK

SITE SECURITY UPGRADES
SITE WORK: SELECTIVE DEMOLITIONS, CONSTRUCTION OF CMU WALLS, ELECTRICAL ROLLING GATES REPLACEMENT AND ADDITION OF REMOVABLE BOLLARDS

BUILDING KEY



EXISTING BUILDING

SCOPE OF WORK AREA

APPLICABLE CODES

- 2022 BUILDING STANDARDS ADMINISTRATION CODE (PART 1, TITLE 24, CCR)
- 2019 CALIFORNIA BUILDING CODE (PART 2, VOLUMES 1 AND 2, TITLE 24, CCR)
- 2019 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR)
- 2019 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR)
- 2019 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR)
- 2019 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)
- 2019 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR)
- 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (PART 11, TITLE 24, CCR)
- 2019 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)
- TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

* These drawings, and/or specifications, and/or calculations for the items listed above have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

- design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me.
- coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

The Statement of General Conformance "shall not be construed as relieving me of my rights, duties, and responsibilities under Sections 17302 and 81138 of the Education Code and Sections 4-336, 4-341 and 4-344" of Title 24, Part 1. (Title 24, Part 1, Section 4-317(b))

DATE: 07/20/22

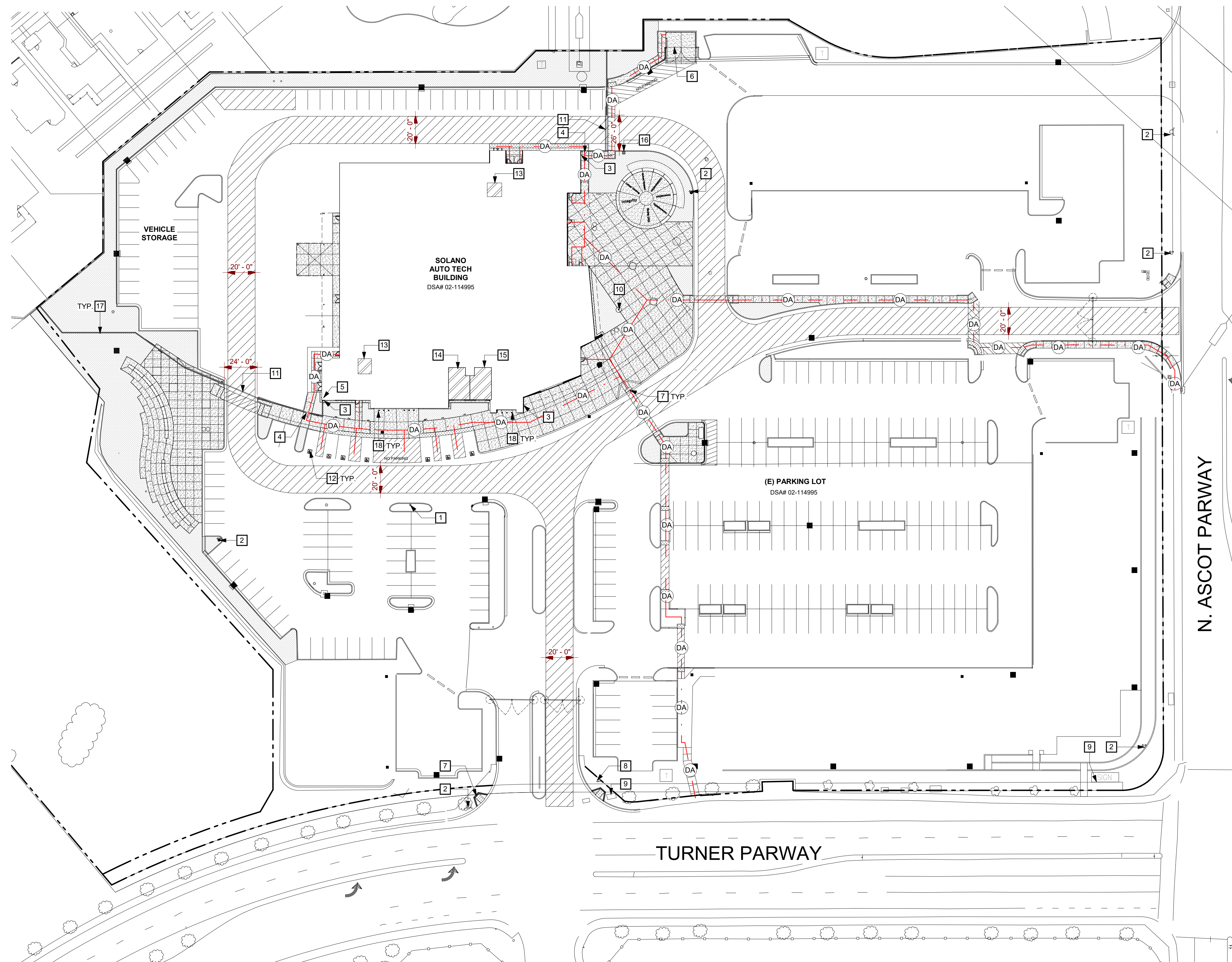
JOB #: 2021027

SHEET #: T1

PRINCIPAL IN CHARGE: [Signature] DATE: 07-12-2022

C-27833 DATE: 11/30/2023

CALIFORNIA LICENSE NUMBER: [Blank] EXPIRATION DATE: [Blank]



2 FIRE ACCESS PLAN
SCALE: 1" = 40'-0"

DSA 810
FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new buildings, additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply. Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

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

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

PROJECT INFORMATION	
School District/Owner:	Solano Community College District
Project Name/School:	Solano Auto Tech Security Enhancement
Project Address:	4000 Suisun Valley Rd, Fairfield, CA 94534

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

DGS DSA 810 (revised 12/20/20) DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA Page 1 of 4

GENERAL SHEET NOTES

- A CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
- B DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
- C PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.
- D REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF STRUCTURAL WORK.
- E DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE, THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE 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 HAS BEEN INCLUDED WITHIN THE SCOPE OF THE PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLDS OR 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 CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

NEW SITE PLAN KEYNOTES

- 1 (E) FDC
- 2 (E) FIRE HYDRANT
- 3 (E) KNOXBOX
- 4 MAN GATE WITH PANIC HARDWARE, SEE ENLARGED SITE PLAN ON A1.03
- 5 (E) FIRE RISER
- 6 (E) TRASH ENCLOSURE
- 7 (E) TRUNCATED DOMES, TYP.
- 8 (E) TOW AWAY SIGN
- 9 (E) SITE ADDRESS SIGN
- 10 (E) FLAGPOLE
- 11 ELECTRIC ROLLING GATE, 10'-0" H, SEE ENLARGED SITE PLAN ON A1.03
- 12 (E) ADA PARKING AND VAN ACCESSIBLE PARKING TYP., SEE ENLARGED SITE PLAN AND DETAILS 11 AND 12A1.05
- 13 (E) UNISEX RESTROOM DSA# 02-114995
- 14 (E) MEN RESTROOM DSA# 02-114995
- 15 (E) WOMEN RESTROOM DSA# 02-114995
- 16 ELECTRIC ROLLING GATE ACCESS KEYPAD, SEE ENLARGED SITE PLAN ON A1.03
- 17 CMU WALL AND ASSOCIATED FOOTING, SEE DETAIL 3 AND 4 ON A1.06 AND STRUCTURAL DRAWINGS. CMU WALL FINISH TO MATCH ADJACENT EXISTING CMU WALL FINISH.
- 18 REMOVABLE BOLLARDS, SEE ENLARGED SITE PLAN ON A1.03 AND DETAIL 7/A1.05.

PARKING COUNT

PARKING COUNT:	REQUIRED	PROVIDED
PARKING LOT:		
GENERAL PARKING		
-PARKING STALLS:		219
-D.A. PARKING STALLS:	7	7
-VAN D.A. PARKING STALLS:	1	3

GRAPHIC KEY

- EXISTING TOILET ROOMS TO REMAIN
- EXISTING CONSTRUCTION TO REMAIN
- (E) FIRE DEPARTMENT ACCESS
FIRE DEPARTMENT ACCESS IS 20'-0" WIDE AND RATED FOR 96,000 LBS.
- PROPERTY LINE
- (E) CMU WALL TO REMAIN
- NEW CMU WALL
- NEW ROLLING GATE
- D.A. PATH OF TRAVEL
D.A. PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. D.A. PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 8' MINIMUM HEIGHT AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND BELOW 80" ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
- EXISTING FIRE HYDRANT

CONSTRUCTION TYPE	OCCUPANCY	SPRINKLERS	HEIGHT INCREASE				AREA INCREASE				MULTI-STORY (7)	TOTAL ALLOWABLE	ACTUAL AREA (8)	RATIO TOTAL (10)	Comments							
			ALLOWABLE STORIES (3)	STORY INCREASE (4)	TOTAL ALLOWABLE	ACTUAL STORIES	ALLOWABLE HEIGHT (3)	HEIGHT INCREASE (4)	TOTAL ALLOWABLE	ACTUAL HEIGHT						ALLOWABLE AREA PER STORY (3)	FRONTAGE (5)	SPRINKLER (6)	TOTAL ALLOWABLE AREA PER STORY (9)			
VB	A3	Yes	1	0	1	1	40'	0'	40'	25'	9000 SF	75%	4500 SF	300%	15000 SF	28500 SF	1	0 SF	26500 SF	2068 SF	0.07	
VB	B	Yes	2	0	2	1	40'	0'	40'	25'	9000 SF	75%	6750 SF	300%	27000 SF	42750 SF	1	0 SF	42750 SF	27484 SF	0.85	
VB	ROOF OVERHANG	Yes	6	0	4	1	40'	0'	40'	25'	14775 SF	75%	6195 SF	300%	23970 SF	19335 SF	1	0 SF	19335 SF	2760 SF	0.14	
VB	B1	Yes	1	0	1	1	40'	0'	40'	25'	9000 SF	75%	6750 SF	300%	27000 SF	42750 SF	1	0 SF	42750 SF	3505 SF	0.08	(S1 AREA INCLUDES 1422 SQ FT CP MEZZANINE AREA. THEREFORE S1 ratio 208342750 = 06

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REVIEWED FOR
SS FLS ACS
DATE: 07/20/2022

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PROJECT
SOLANO AUTO TECH SECURITY ENHANCEMENT

SOLANO COMMUNITY COLLEGE

SOLANO COMMUNITY COLLEGE
CONSULTANT

STAMP

REVISIONS

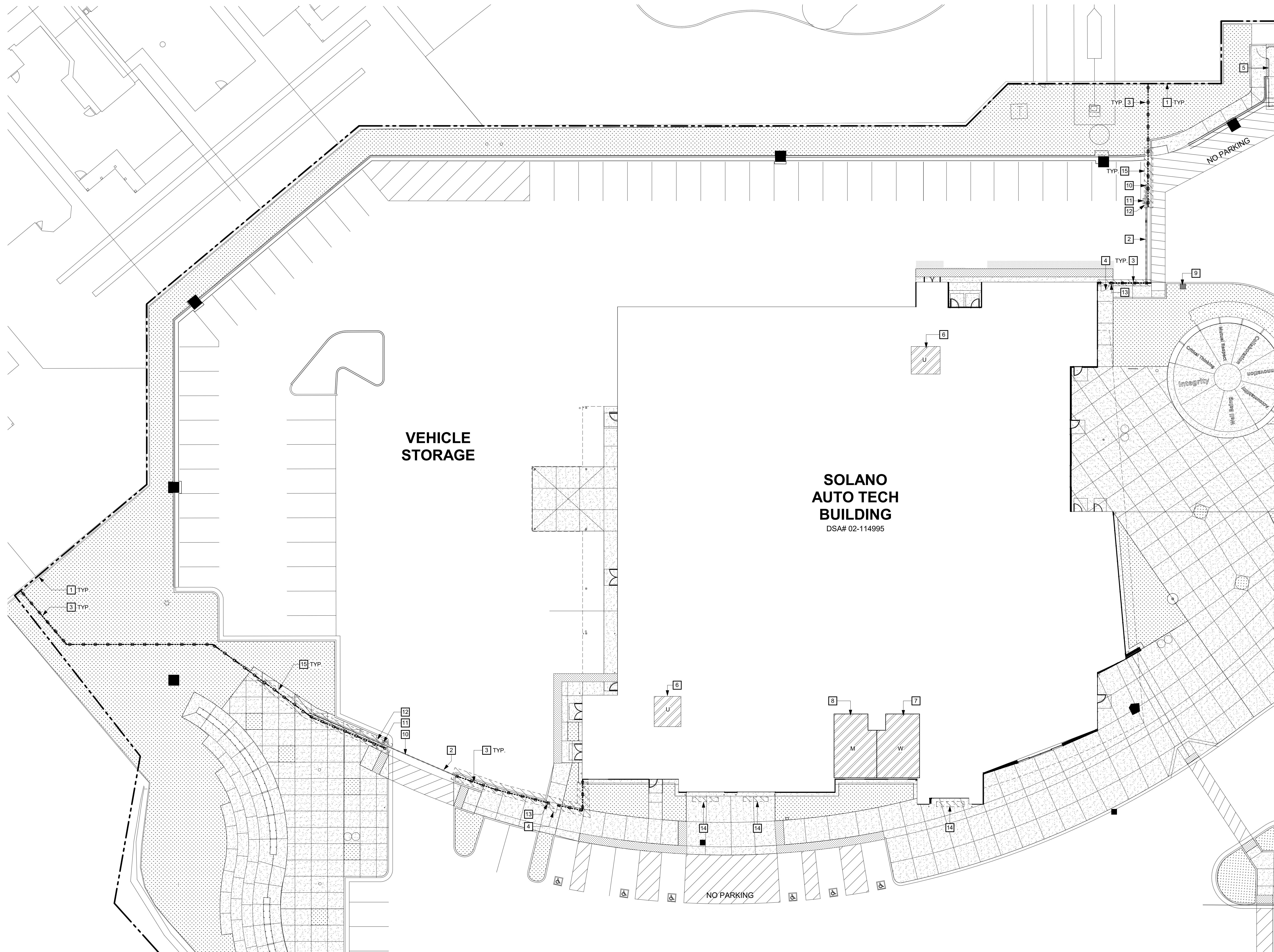
No.	Description	Date
Δ		

MILESTONES

DSA SUBMITTAL	04.01.2022
DSA BACK CHECK	07.20.2022

SITE PLAN, FIRE DEPARTMENT ACCESS PLAN AND BUILDING ANALYSIS

DSA# 02-119982
DATE: 07/20/22
JOB #: 2021027
SHEET #
A0.01



2 DEMOLITION SITE PLAN
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

- A CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
- B DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
- C PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.
- D REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF STRUCTURAL WORK.
- E DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE 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 HAS BEEN INCLUDED WITHIN THE SCOPE OF THE PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLDS OR LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP 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 CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-119982 INC.
REVIEWED FOR
SS FLS ACS
DATE: 07/20/2022

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DEMOLITION SITE PLAN KEYNOTES

- 1 (E) CMU WALL TO REMAIN, MATCH NEW CMU WALL TO THIS (E) CMU FINISH
- 2 REMOVE (E) ELECTRIC ROLLING GATE
- 3 DEMO (E) ORNAMENTAL FENCE AND ASSOCIATED FOOTINGS
- 4 REMOVE (E) MAN GATE AND ASSOCIATED FOOTINGS, SALVAGE GATE HARDWARE TO BE REUSE ON NEW MAN GATE.
- 5 (E) TRASH ENCLOSURE TO REMAIN
- 6 (E) UNISEX RESTROOM DSA# 02-114995
- 7 (E) WOMEN RESTROOM DSA# 02-114995
- 8 (E) MEN RESTROOM DSA# 02-114995
- 9 (E) ELECTRIC ROLLING GATE ACCESS KEYPAD TO BE REUSE, DISCONNECT AND PROTECT DURING CONSTRUCTION, RECONNECT TO NEW ROLLING GATE SYSTEM
- 10 (E) ROLLING GATE TRACK TO REMAIN, PROTECT DURING CONSTRUCTION, REUSE FOR NEW ROLLING GATE SYSTEM.
- 11 (E) ROLLING GATE ELECTRIC OPERATOR, DISCONNECT FROM POWER AND REMOVE UNIT. KEEP ELECTRICAL CONNECTION TO BE REUSE FOR NEW OPERATOR.
- 12 (E) SENSING EDGE AND INFRARED PHOTO EYE SOLUTION ENTRAPMENT PROTECTION TO BE REUSE, SALVAGE AND REINSTALL WITH NEW ROLLING GATE SYSTEM.
- 13 SALVAGE (E) CARD ACCESS READER, DISCONNECT FROM POWER AND KEEP TO BE REUSE, KEEP ELECTRICAL CONNECTION TO BE RUN INTO NEW CMU WALL CONDUIT.
- 14 (E) CONCRETE TO BE DEMOLISHED TO INSTALL NEW REMOVABLE BOLLARDS SAWCUT CONCRETE LINES ON SCORE JOINTS WHERE POSSIBLE AND/OR PARALLEL/ PERPENDICULAR TO SCORE JOINTS.
- 15 TRENCH (E) CONCRETE PAVING AND CONCRETE CURB AS NEEDED FOR NEW CMU WALL FOOTING, S.S.D. TYP.

PROJECT
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COMMUNITY COLLEGE
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No.	Description	Date
△		

MILESTONES

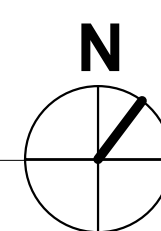
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DSA BACK CHECK	07.20.2022

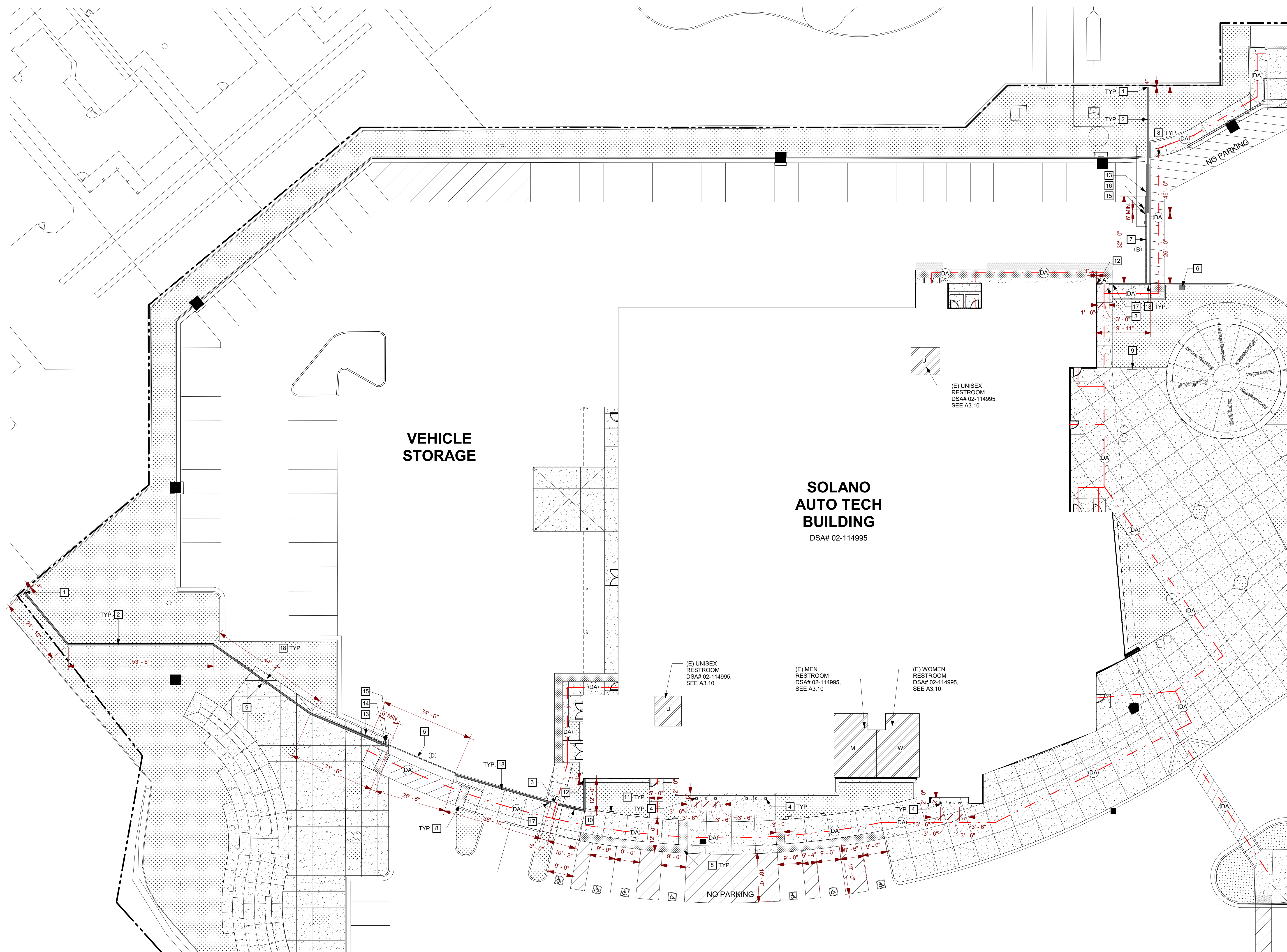
SHEET
DEMOLITION SITE PLAN

DSA# 02-119982
DATE 07/20/22
JOB # 2021027
SHEET # **A1.01**

GRAPHIC KEY

- EXISTING TOILET ROOMS.
- EXISTING CONSTRUCTION TO REMAIN
- PROPERTY LINE
- (E) ORNAMENTAL FENCE TO BE DEMO
- (E) ROLLING GATE TO BE DEMO
- (E) F.H. EXISTING FIRE HYDRANT





1 PROPOSED PLAN
SCALE: 1/16" = 1'-0"

GENERAL SHEET NOTES

- A CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
- B DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
- C PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.
- D REFER TO STRUCTURAL DRAWINGS FOR EXTENT OF STRUCTURAL WORK.
- E DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE. THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL. REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT, THE 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 HAS BEEN INCLUDED WITHIN THE SCOPE OF THE PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLDS OR LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP 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 CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

ENLARGED SITE PLAN KEYNOTES

- 1 KEEP 4" GAP BETWEEN THE (E) CMU WALL AND NEW CMU WALL.
- 2 CMU WALL AND ASSOCIATED FOOTING, SEE DETAIL 3 AND 4 ON A1.06 AND STRUCTURAL DRAWINGS. CMU WALL FINISH TO MATCH ADJACENT EXISTING CMU WALL FINISH.
- 3 MAN GATE. SEE DETAIL 1-2-3-4-5 & 6/A1.05
- 4 REMOVABLE BOLLARDS SEE DETAIL 7/A1.05
- 5 ELECTRIC ROLLING GATE. SEE DETAIL 1,3 AND 4 A1.06
- 6 RECONNECT(E) ELECTRIC ROLLING GATE ACCESS KEYPAD TO (E) POWER. ELECTRIC ROLLING GATE. SEE DETAIL 2,3 AND 4 A1.06
- 7 (E) TRUNCATED DOMES, TYP.
- 8 (E) BICYCLE RACKS
- 9 REINSTALL (E) ADA PARKING SIGN ON NEW CMU WALL
- 10 (E) ADA PARKING SIGN.
- 11 KEEP 9" GAP BETWEEN THE (E) WALL AND NEW CMU WALL.
- 12 REUSE (E) ROLLING GATE TRACK WITH NEW ROLLING GATE SYSTEM.
- 13 ROLLING GATE ELECTRIC OPERATOR FOR 3000LBS GATE, DKS DOORING MODEL 9235 OR APPROVED EQUIVALENT, CONNECT TO (E) POWER.
- 14 REINSTALL SENSING EDGE AND INFRARED PHOTO EYE SOLUTION ENTRAPMENT PROTECTION.
- 15 ROLLING GATE ELECTRIC OPERATOR FOR 2500LBS GATE, DKS DOORING MODEL 9235 OR APPROVED EQUIVALENT, CONNECT TO (E) POWER.
- 16 REINSTALL (E) CARD ACCESS READER CONNECT TO (E) POWER. SEE DETAILS 1 AND 5 ON A1.05.
- 17 REPAIR (E) CONCRETE WALKWAYS AND CURBS PER DETAIL 9 A1.05.
- 18

GATE SCHEDULE										
GATE TAG	GATE TYPE	WIDTH	HEIGHT	PANIC	MATERIAL	FINISH	HARDWARE	D.A.	USE	DETAIL REF.
A	MAN GATE	3'-0"	10'-0"	YES	STEEL	BLACK POWDER COATED	REUSE (E)	YES	EGRESS	5/A1.05
B	ELECTRICAL ROLLING GATE	32'-0"	10'-0"	NO	STEEL	BLACK POWDER COATED	N/A	NO	MAINT.	3/A1.06
C	MAN GATE	3'-0"	10'-0"	YES	STEEL	BLACK POWDER COATED	REUSE (E)	YES	EGRESS	5/A1.05
D	ELECTRICAL ROLLING GATE	34'-0"	10'-0"	NO	STEEL	BLACK POWDER COATED	N/A	NO	MAINT.	3/A1.06

* (E) KING KONG HINGES, PANIC HARDWARE AND LATCHSET. RESET DOOR PRESSURE FOR ADA COMPLIANCE

GRAPHIC KEY

- EXISTING TOILET ROOMS TO REMAIN
- EXISTING CONSTRUCTION TO REMAIN
- (E) FIRE DEPARTMENT ACCESS FIRE DEPARTMENT ACCESS IS 20'-0" WIDE AND RATED FOR 96,000 LBS.
- PROPERTY LINE
- (E) CMU WALL TO REMAIN
- NEW CMU WALL
- NEW ROLLING GATE
- D.A. PATH OF TRAVEL
- D.A. PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" REVELED AT 1/2" MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. D.A. PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM HEIGHT AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND BELOW 60". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.
- EXISTING FIRE HYDRANT

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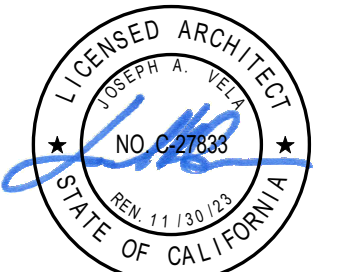
PROJECT
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REVISIONS

No. Description Date

1

MILESTONES

DSA SUBMITTAL 04.01.2022

DSA BACK CHECK 07.20.2022

SHEET

ENLARGED SITE PLAN

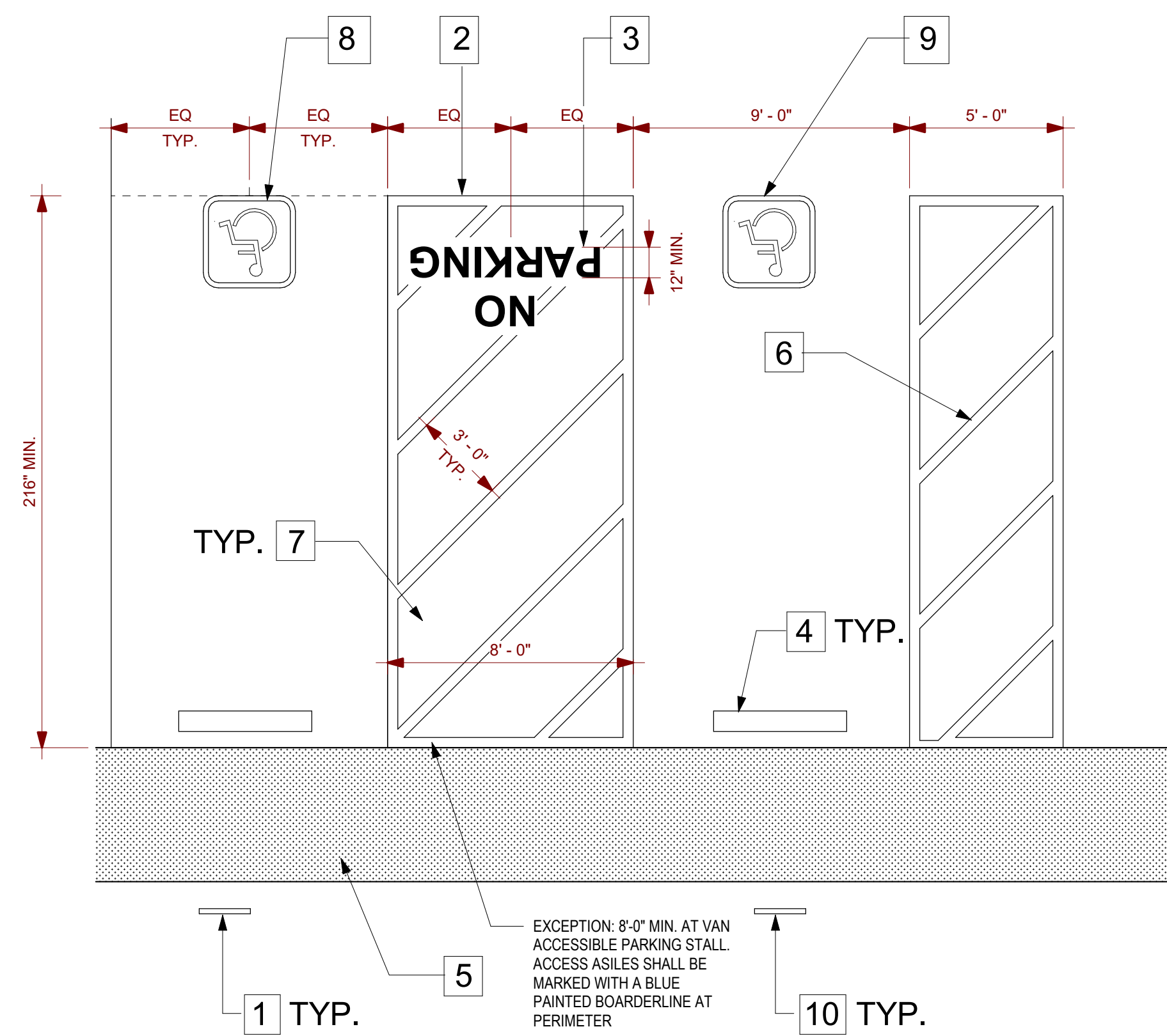
DSA# 02-119982

DATE 07/20/22

JOB # 2021027

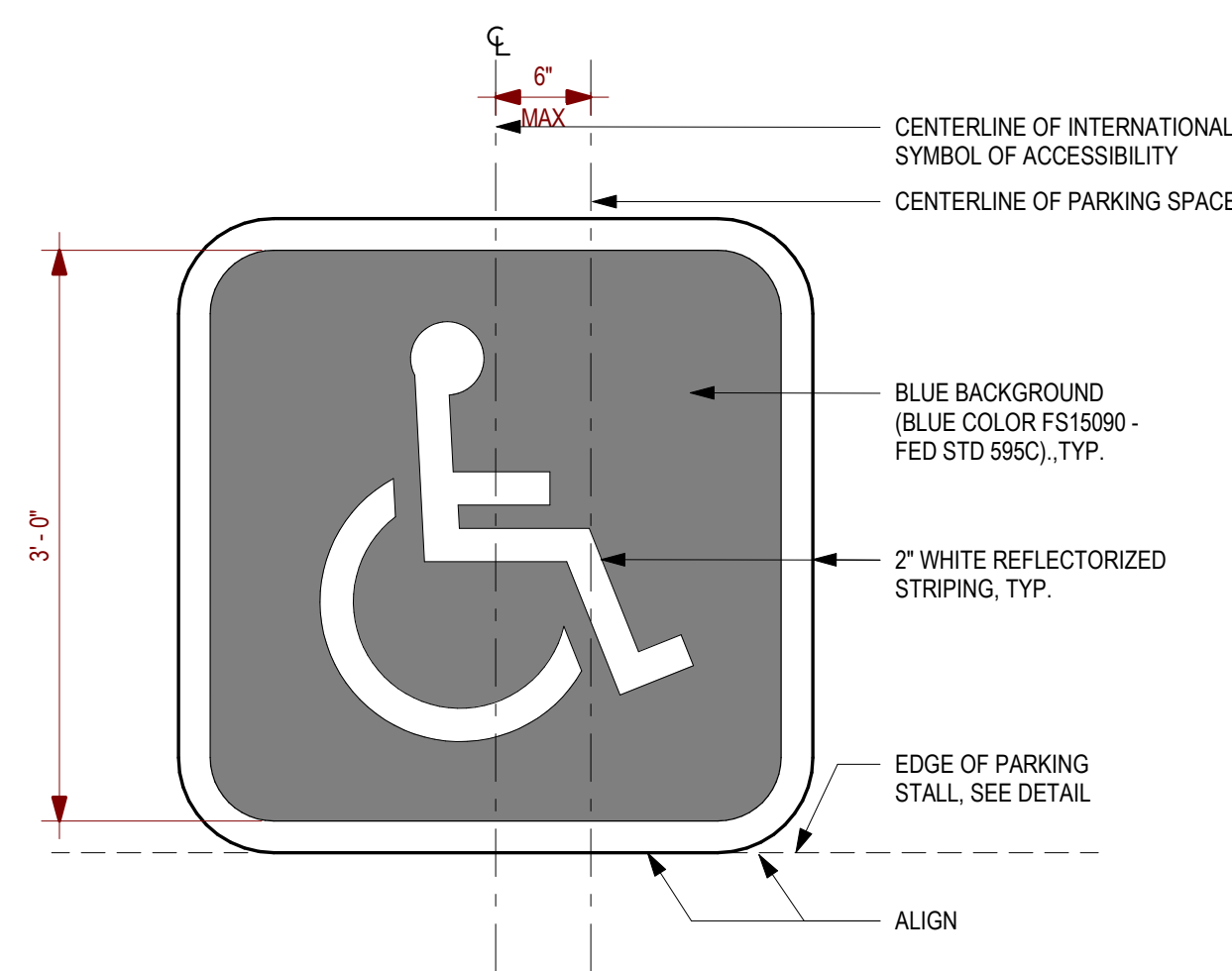
SHEET #

A1.03

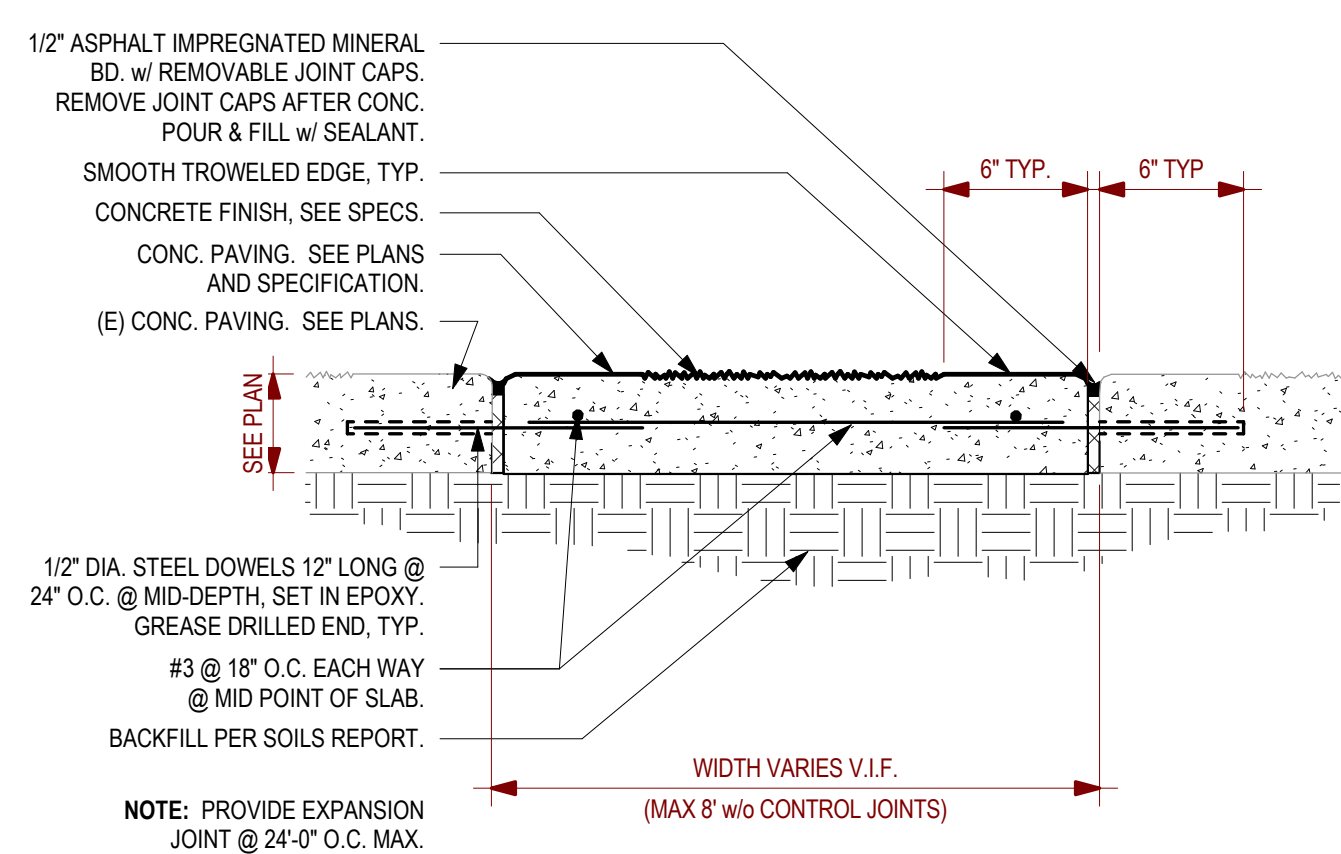


- ADA PARKING KEYNOTES**
- 1 D.A. PARKING SIGN EACH STALL, TYP. SEE DETAIL 10/A1.05
 - 2 BLUE BORDER
 - 3 WHITE LETTERING 12" MIN HEIGHT, TYP.
 - 4 CONCRETE WHEEL STOP EACH STALL, TYP.
 - 5 TRUNCATED DOMES
 - 6 BLUE OR WHITE
 - 7 2% SLOPE IN ALL DIRECTIONS. GROUND SHALL BE LEVEL IN ACCESSIBLE PARKING AREAS. 1.48 MAXIMUM SLOPE IN ACCESSIBLE PARKING SPACES AND ACCESS AISLES. PARKING SPACES SHALL BE AT THE SAME LEVEL AS THE ACCESS AISLES THAT SERVE THEM.
 - 8 ALIGN THE BOTTOM OF ISA WITH END OF STALL, TYP.
 - 9 TYP. D.A. SYMBOL, WHITE PAINT ON 36" BLUE SQUARE BACKGROUND. PER SEC. 11B-703.7.2.1. EACH STALL, SEE DETAIL 12/A1.03
 - 10 D.A. VAN ACCESSIBLE PARKING SIGN, TYP.

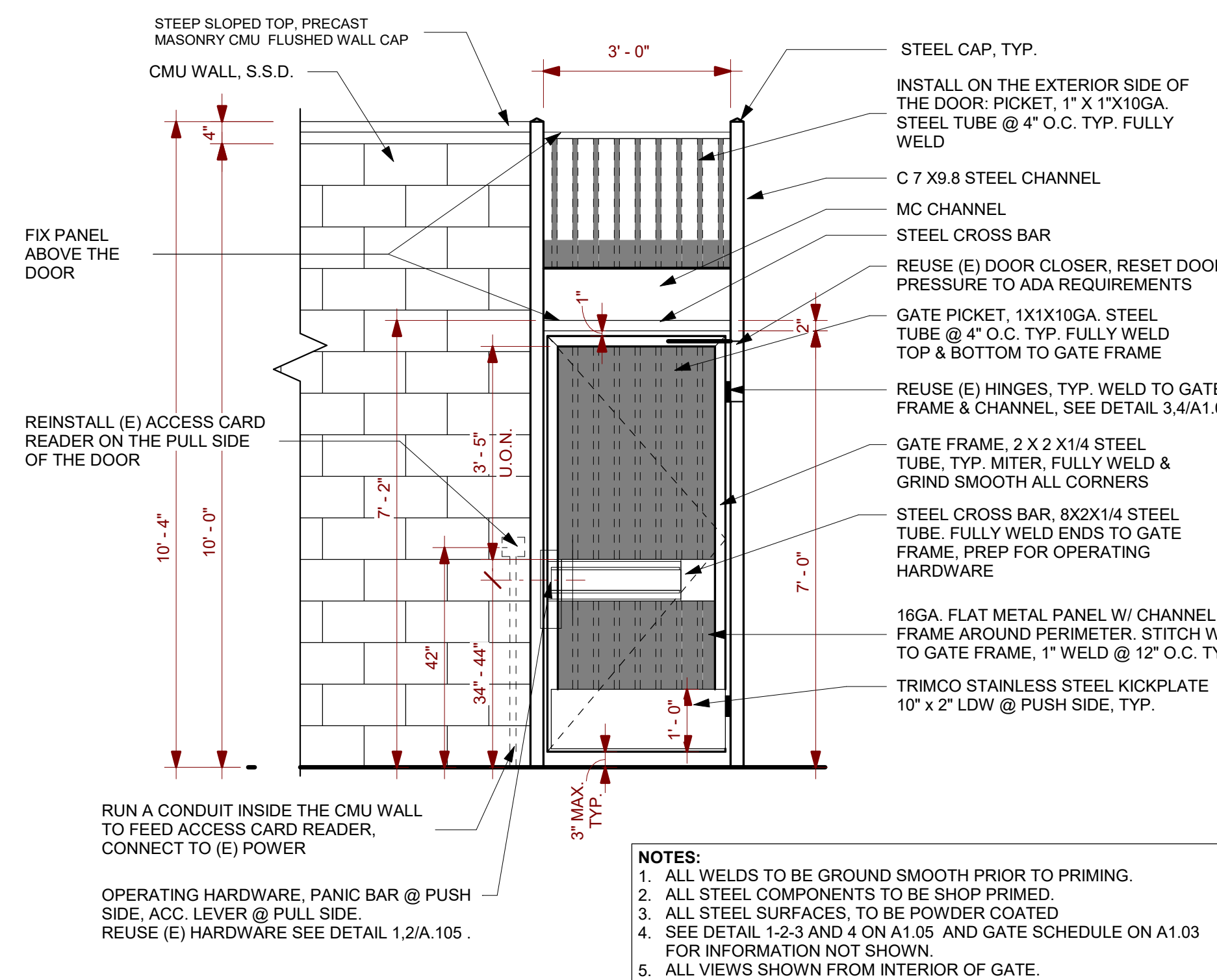
11 ADA PARKING CALLOUT
SCALE: 1/4" = 1'-0"



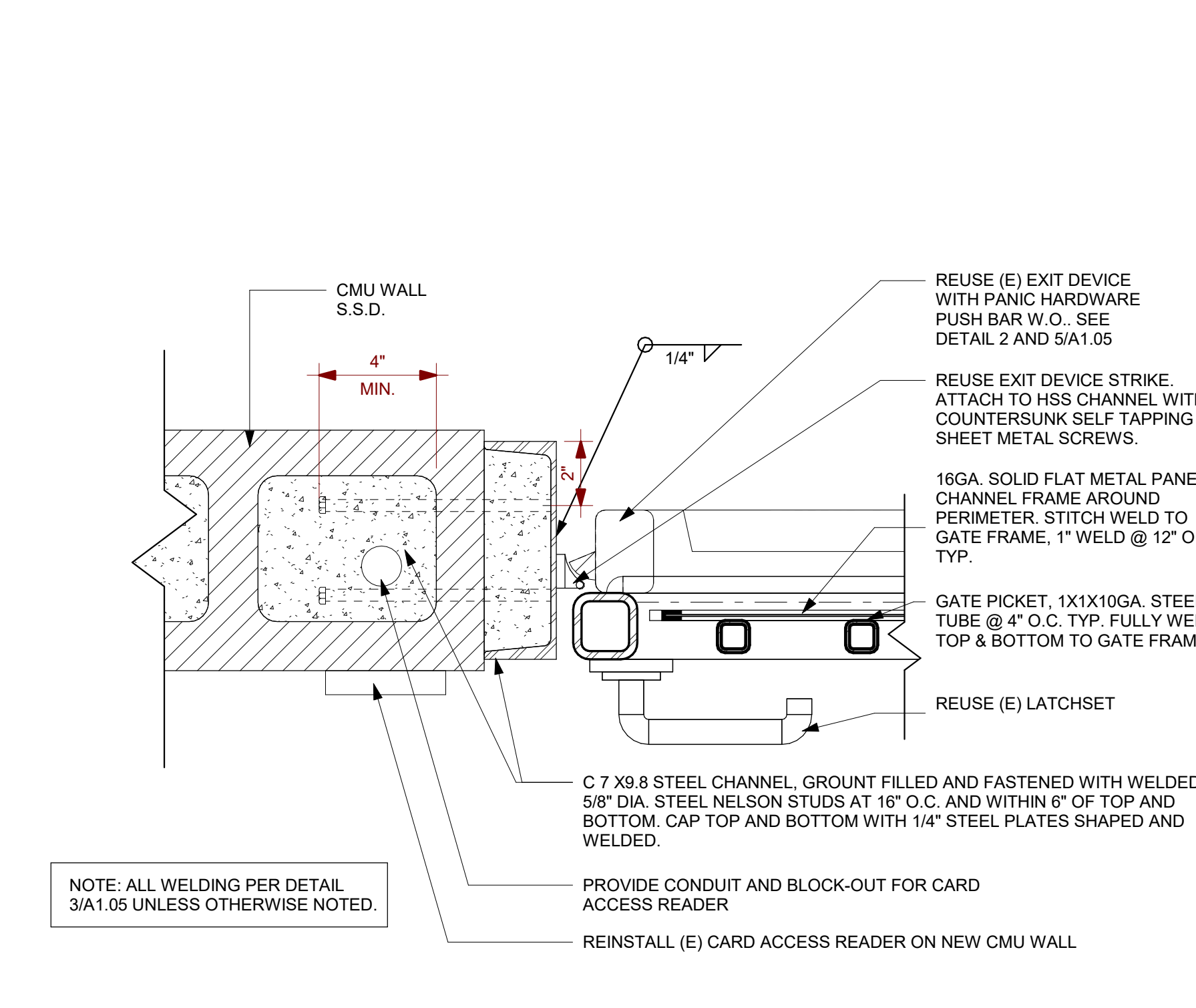
12 INTERNATIONAL SYMBOL OF ACCESSIBILITY
SCALE: 1" = 1'-0"



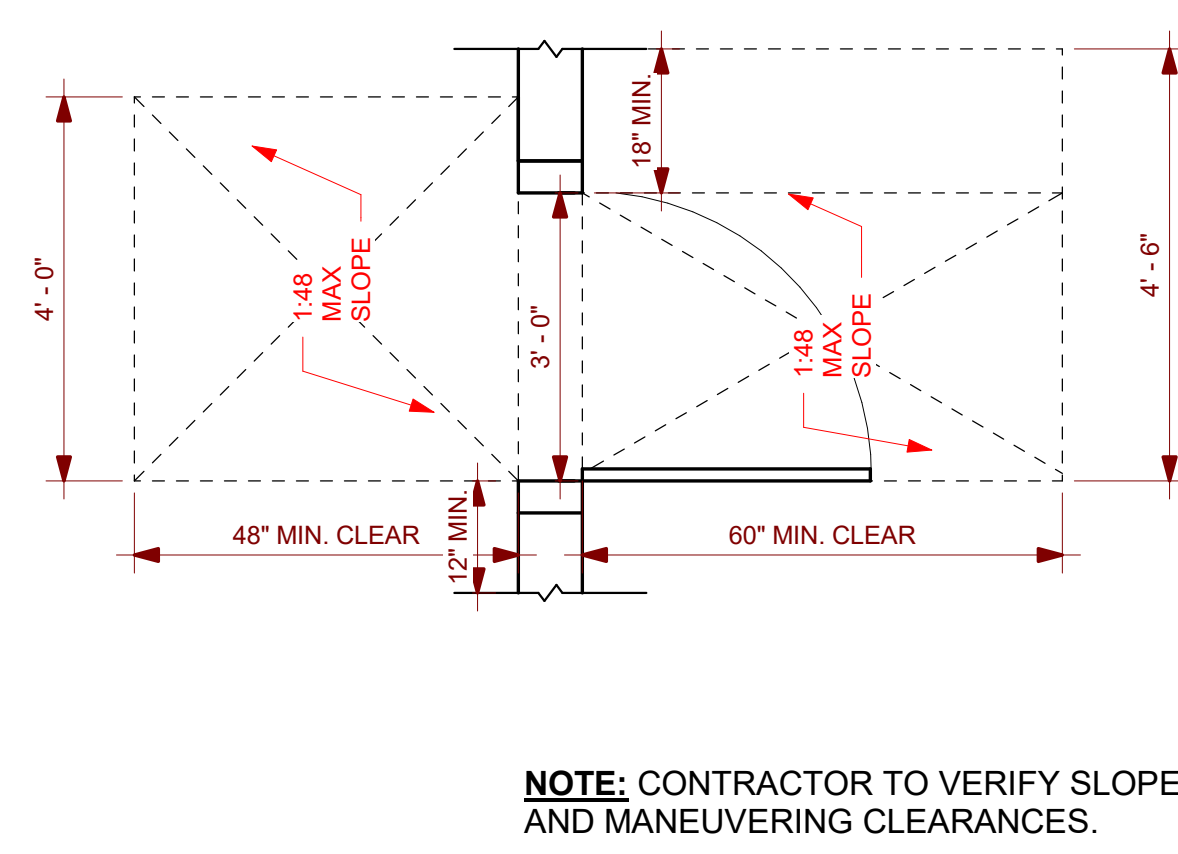
9 CONCRETE PATCH
SCALE: 1 1/2" = 1'-0"



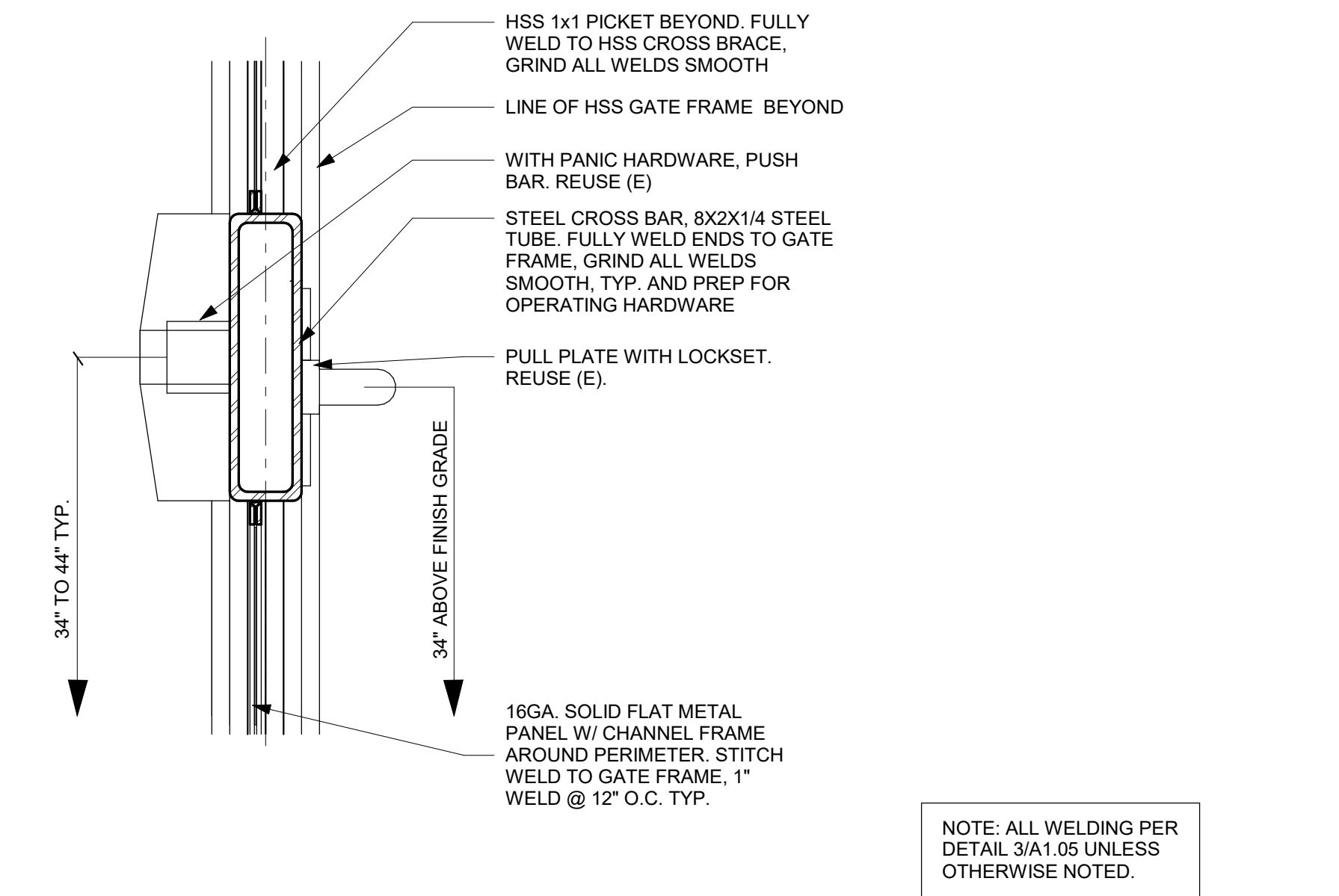
5 TYP. GATE LEAF
SCALE: 1/2" = 1'-0"



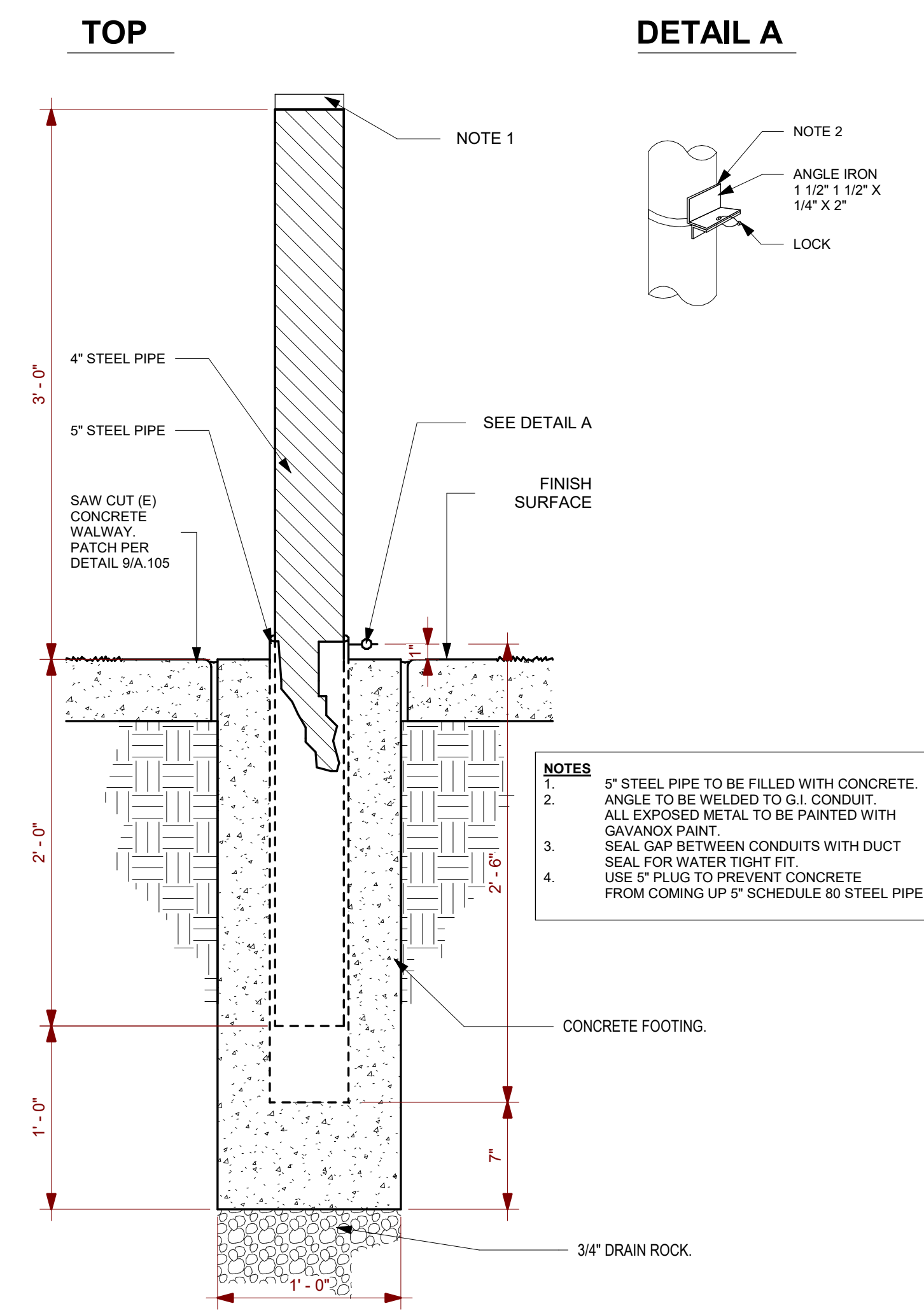
1 GATE PLAN VIEW THROUGH LATCH
SCALE: 3" = 1'-0"



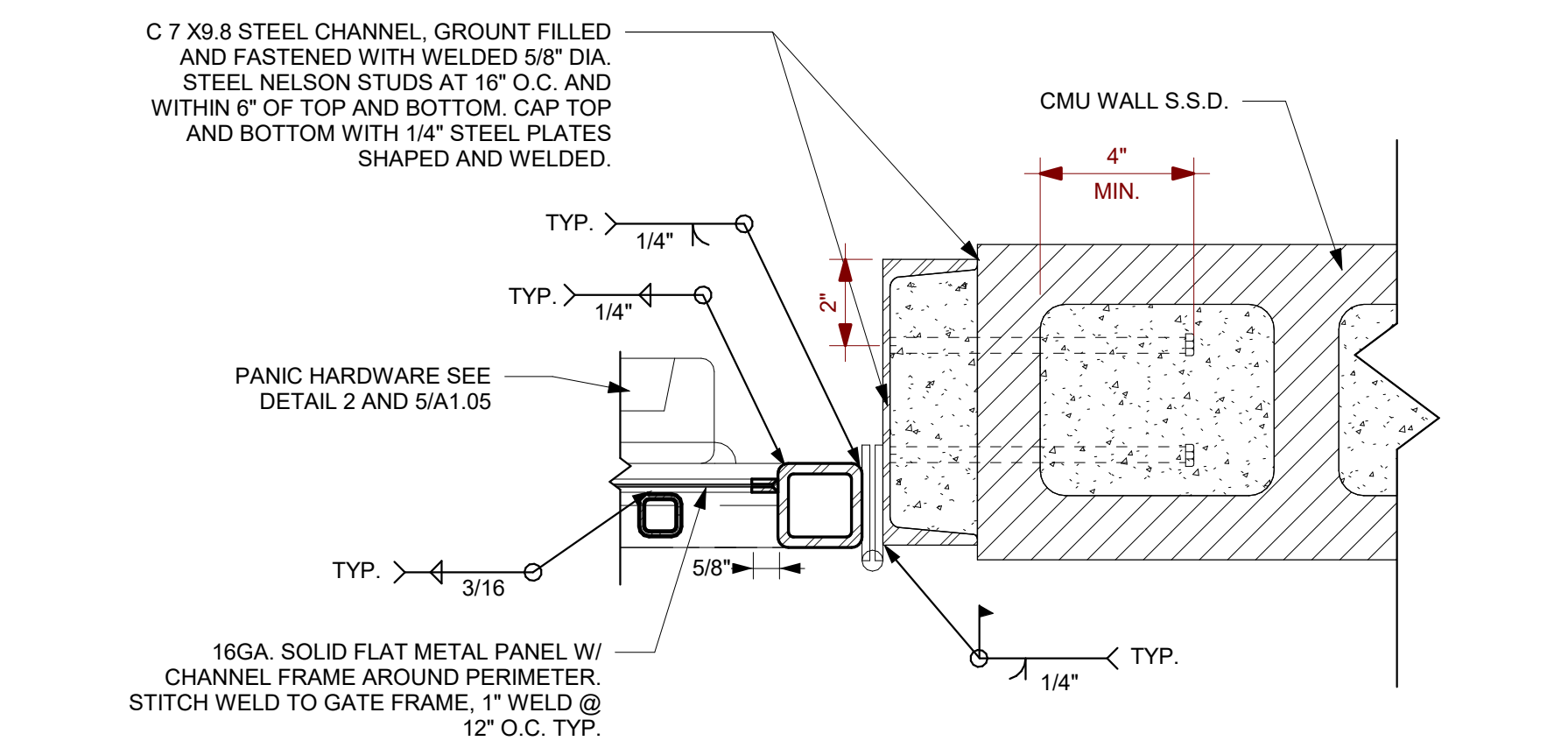
6 TYPICAL GATE MANEUVERING CLEARANCES
SCALE: 1/2" = 1'-0"



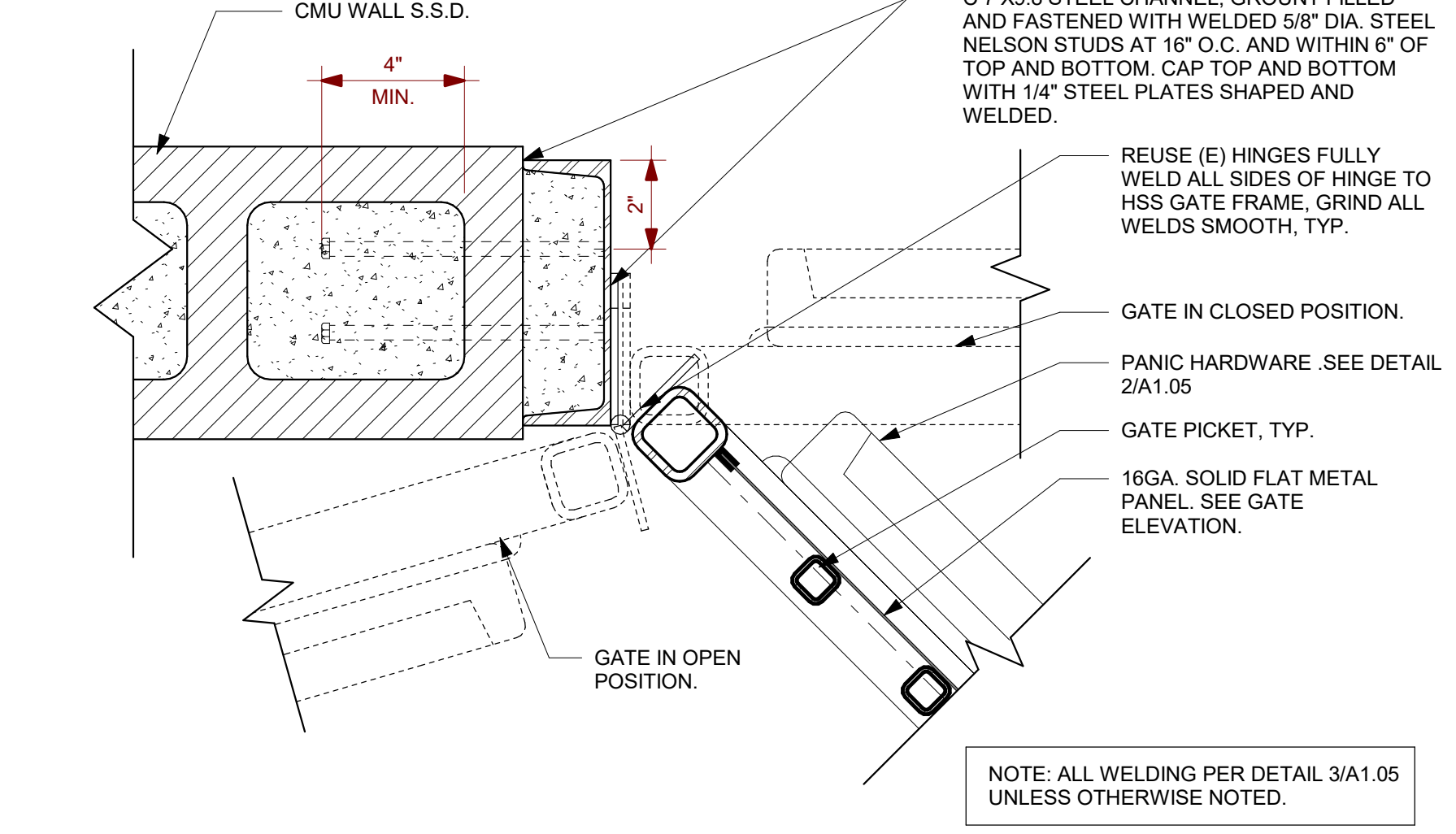
2 SECTION THROUGH PANIC PUSH BAR
SCALE: 3" = 1'-0"



7 REMOVABLE BOLLARD
SCALE: 1 1/2" = 1'-0"



3 SECTION THROUGH PANEL FRAME @ T.S. GATE JAMB
SCALE: 3" = 1'-0"



4 TUBE STEEL GATE JAMB DETAIL
SCALE: 3" = 1'-0"

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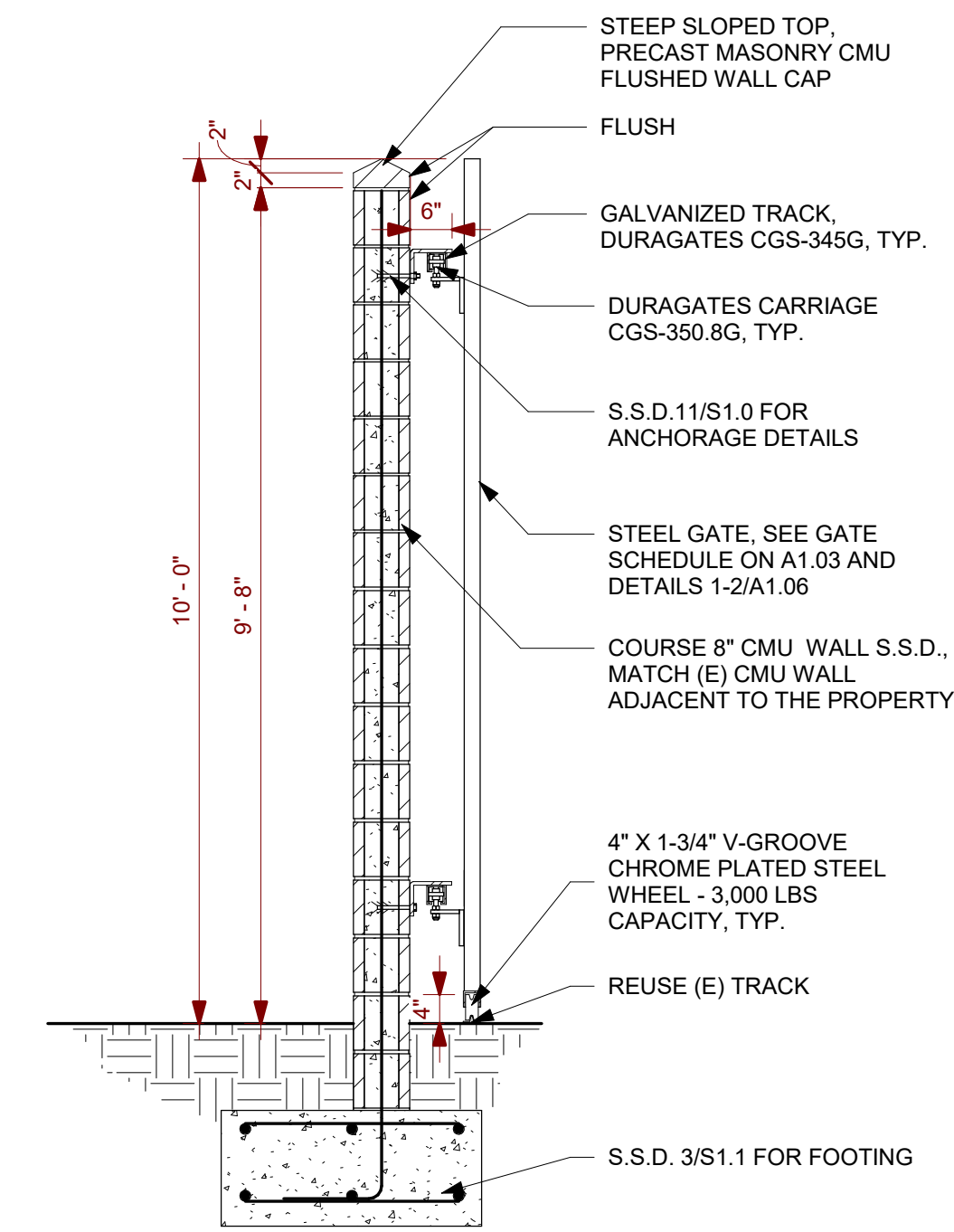
MILESTONES

DSA SUBMITTAL	04.01.2022
DSA BACK CHECK	07.20.2022

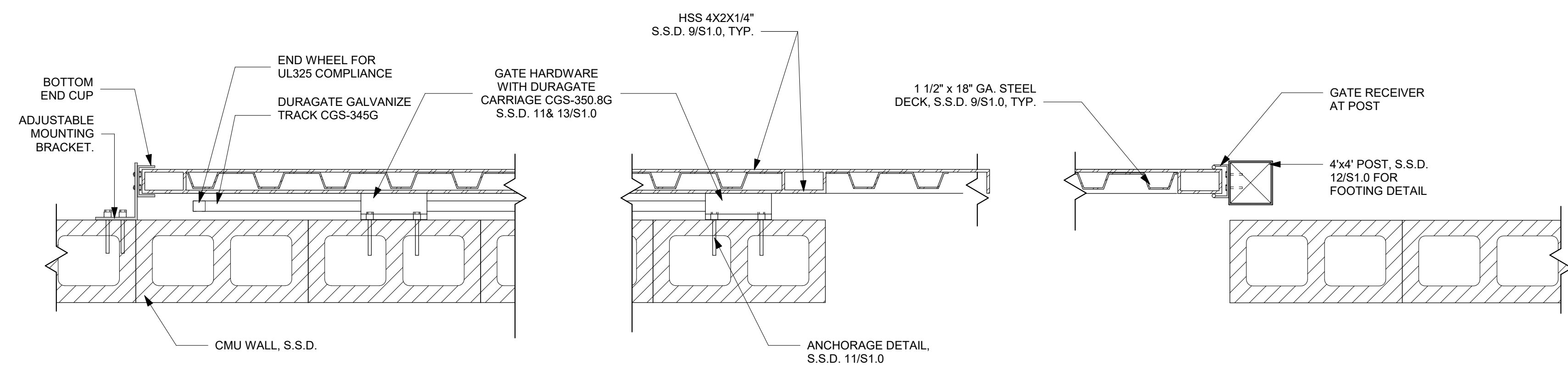
SHEET
SITE DETAILS

DSA# 02-119982
DATE 07/20/22
JOB # 2021027
SHEET #

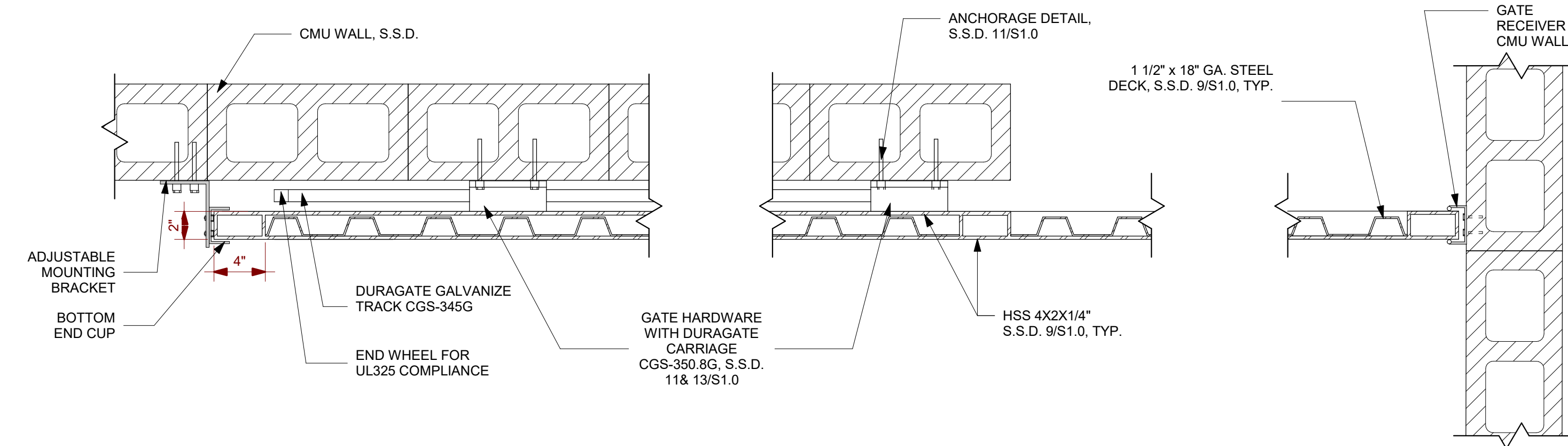
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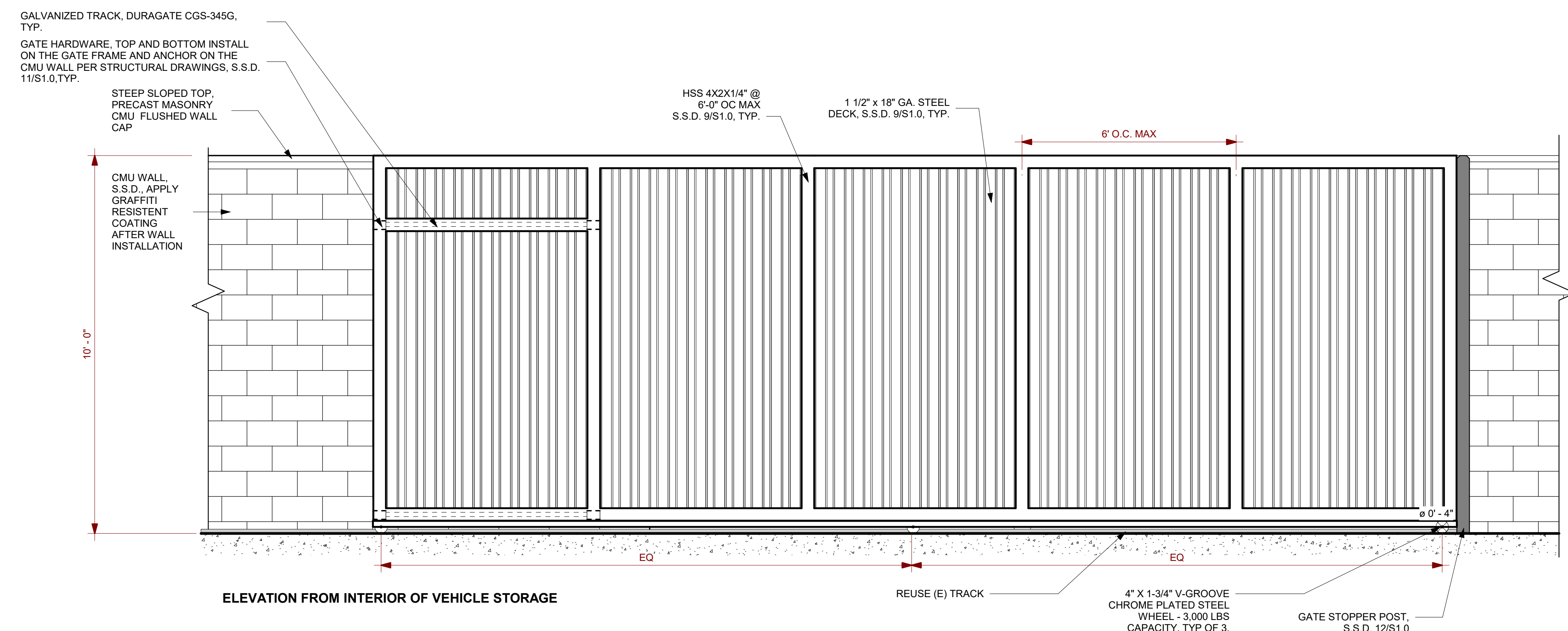
4 SECTION AT CMU WALL
 SCALE: 1/2" = 1'-0"



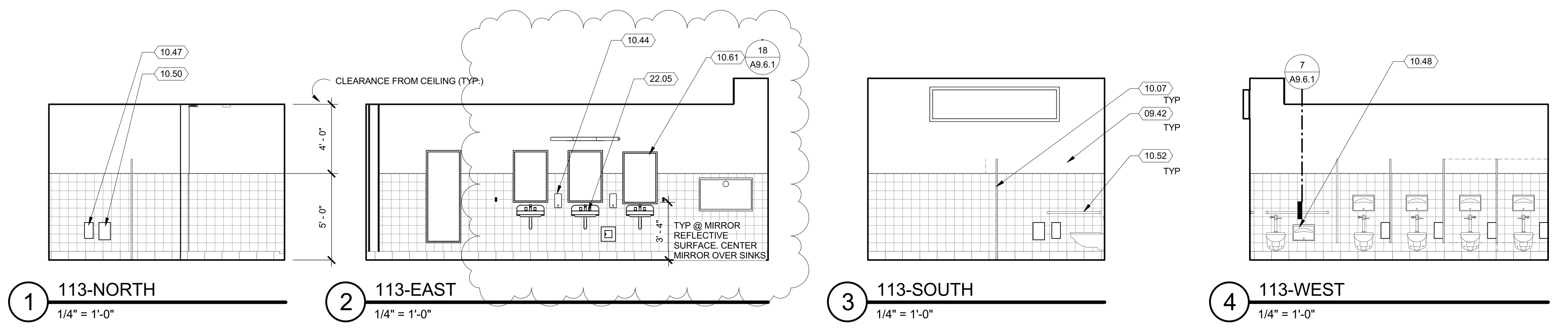
1 ENLARGED ROLLING GATE DETAIL WITH TERMINATION AT POST
 SCALE: 1 1/2" = 1'-0"



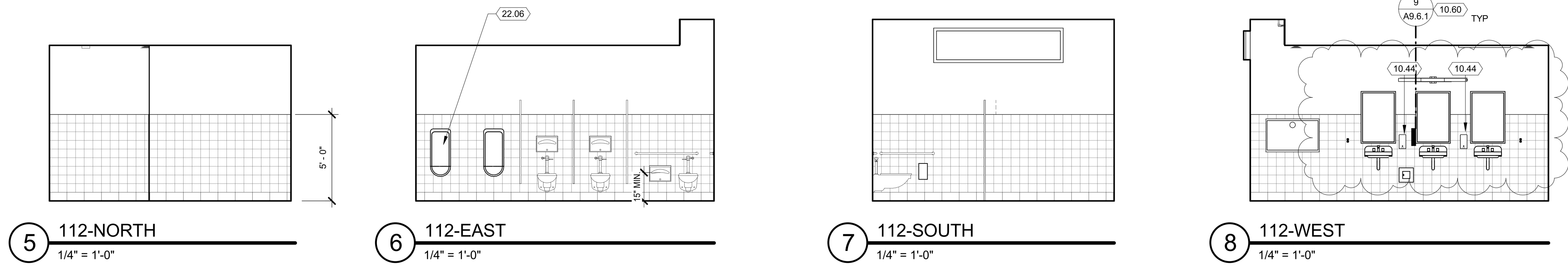
2 ENLARGED ROLLING GATE DETAIL WITH TERMINATION AT CMU WALL
 SCALE: 1 1/2" = 1'-0"



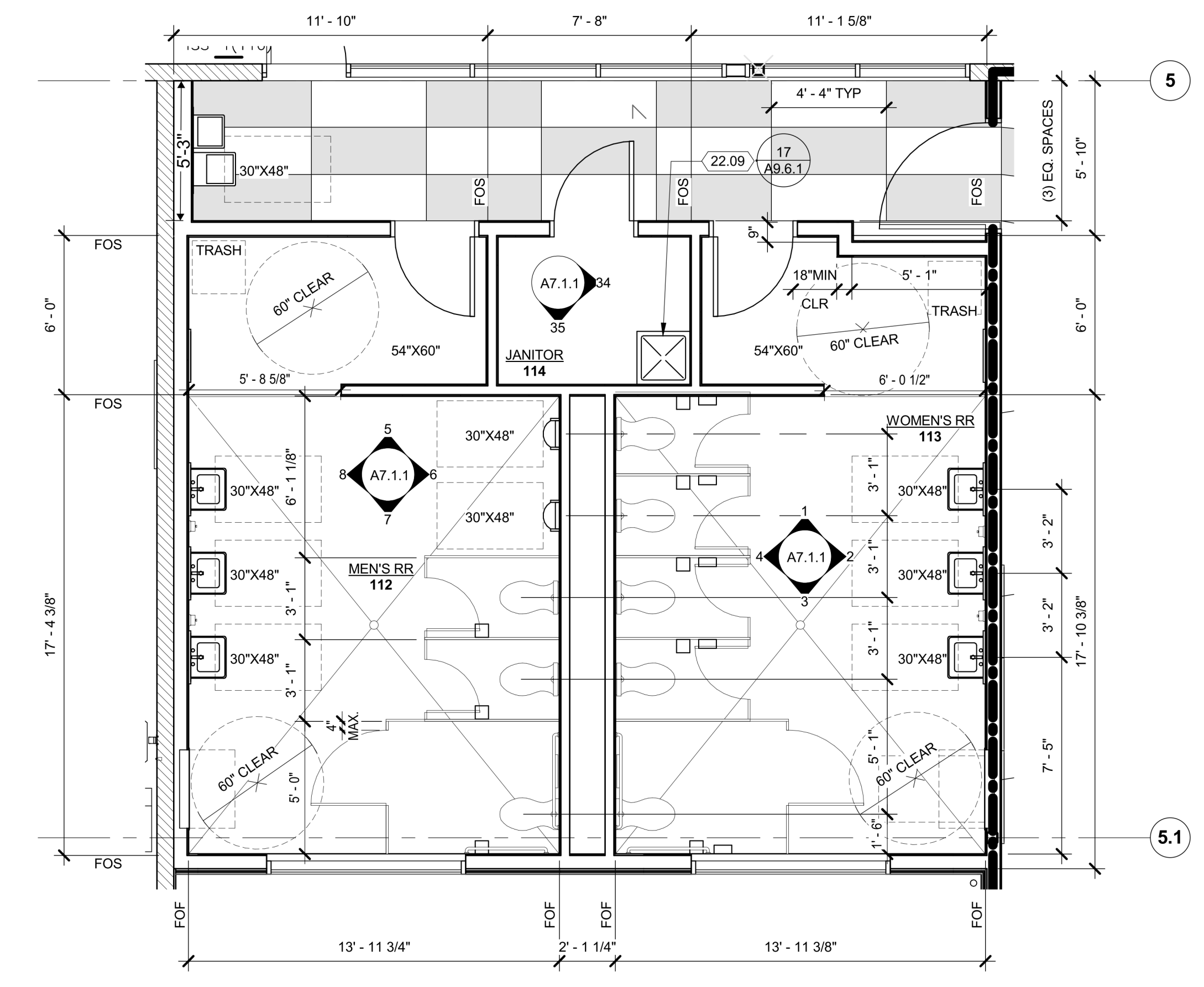
3 GATE ELEVATION
 SCALE: 1/2" = 1'-0"



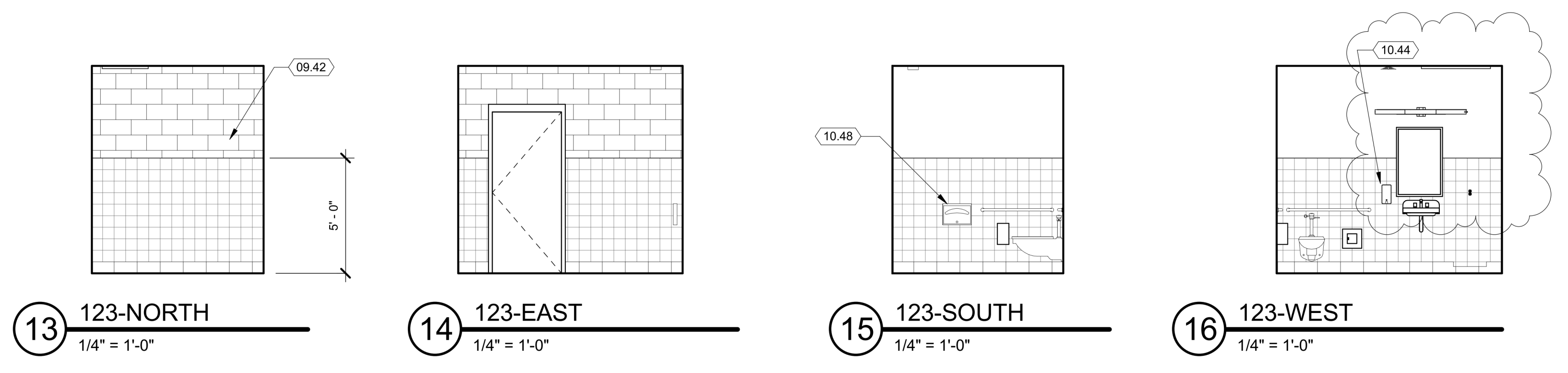
(E) ROOM 113 - WOMENS RESTROOM
 EXISTING CONDITIONS AS SHOWN HAVE BEEN FIELD VERIFIED
 FOR REFERENCE ONLY, APPROVED UNDER DSA APPLICATION 02-114995



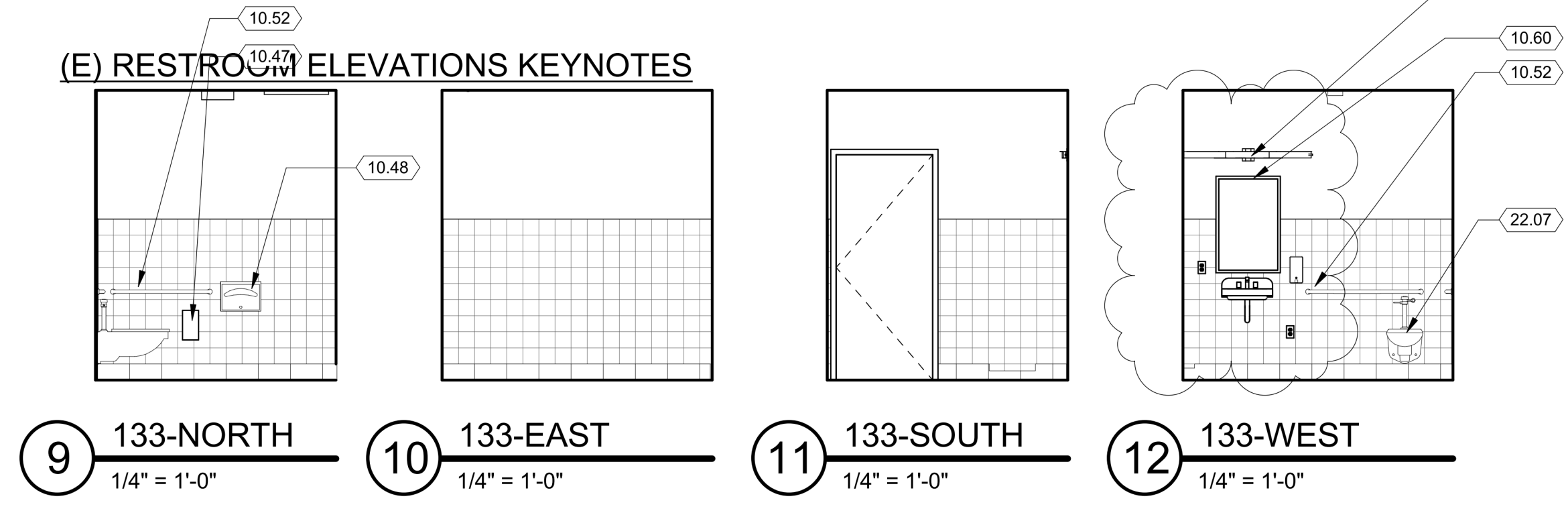
(E) ROOM 112 - MENS RESTROOM
 EXISTING CONDITIONS AS SHOWN HAVE BEEN FIELD VERIFIED
 FOR REFERENCE ONLY, APPROVED UNDER DSA APPLICATION 02-114995



(E) FLOOR PLAN - ENLARGED MEN'S WOMEN'S
 1/4" = 1'-0"
 EXISTING CONDITIONS AS SHOWN HAVE BEEN FIELD VERIFIED
 FOR REFERENCE ONLY, APPROVED UNDER DSA APPLICATION 02-114995

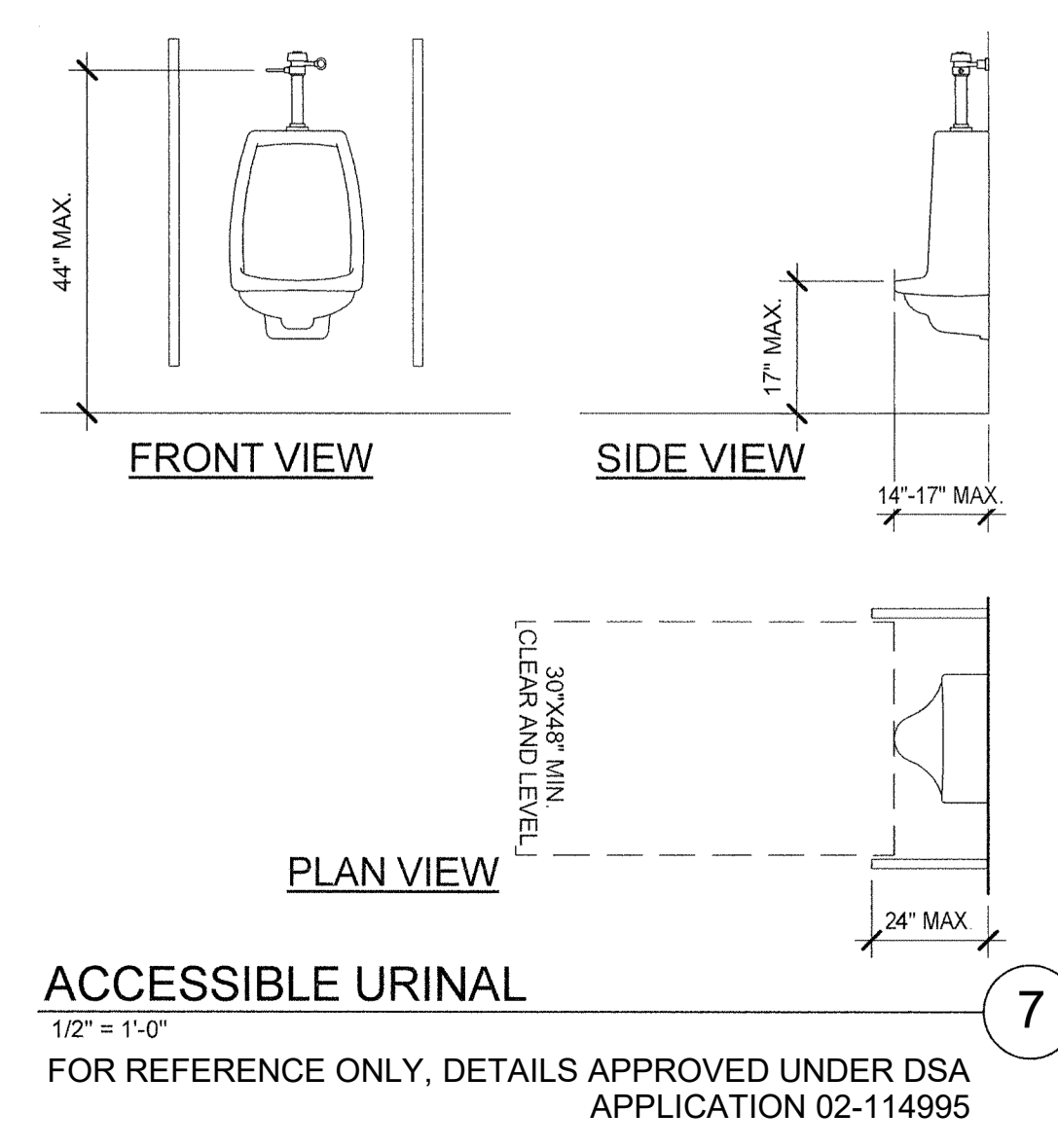


(E) ROOM 123 - UNISEX RESTROOM
 EXISTING CONDITIONS AS SHOWN HAVE BEEN FIELD VERIFIED
 FOR REFERENCE ONLY, APPROVED UNDER DSA APPLICATION 02-114995

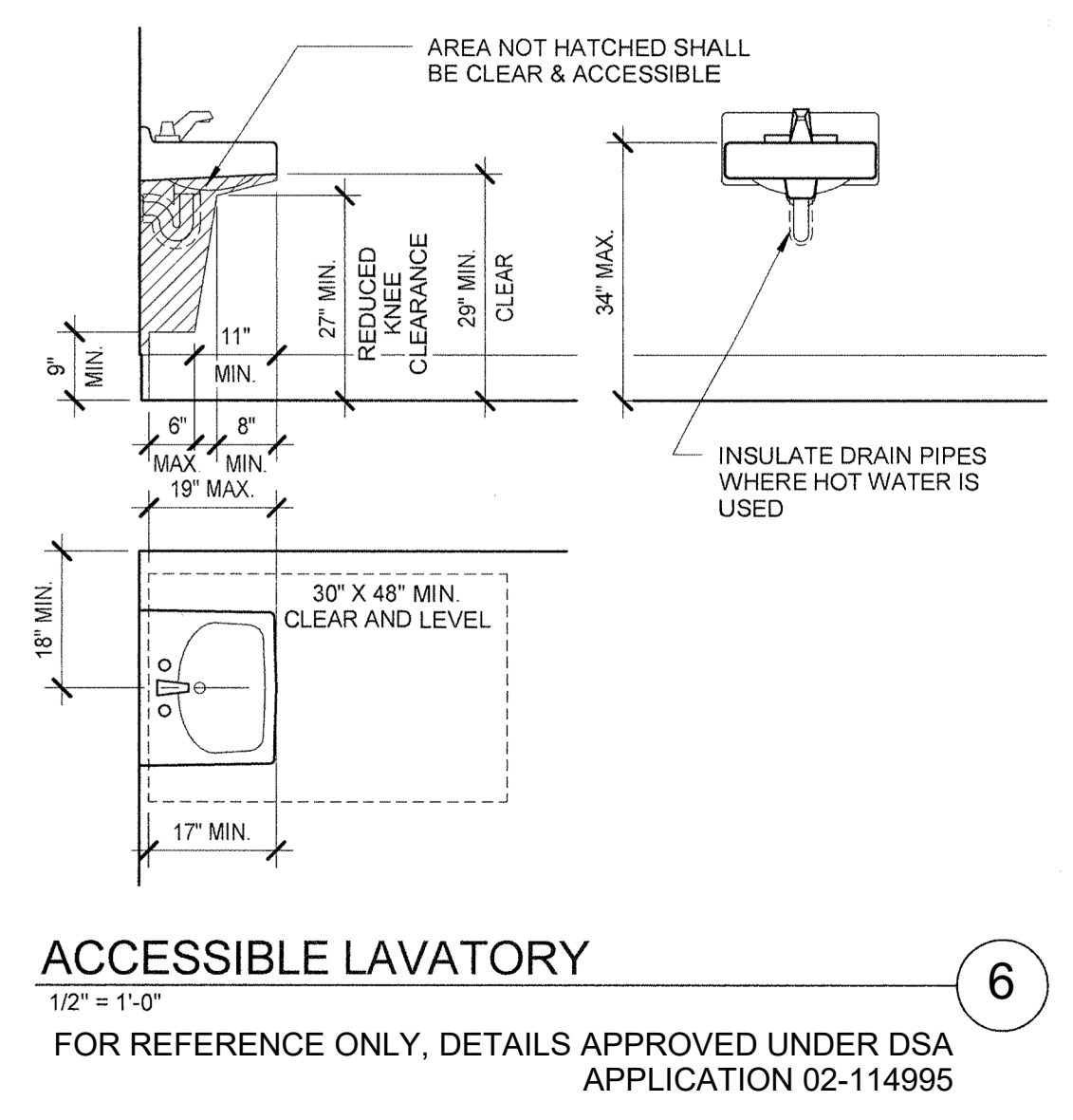


(E) ROOM 133 - UNISEX
 EXISTING CONDITIONS AS SHOWN HAVE BEEN FIELD VERIFIED
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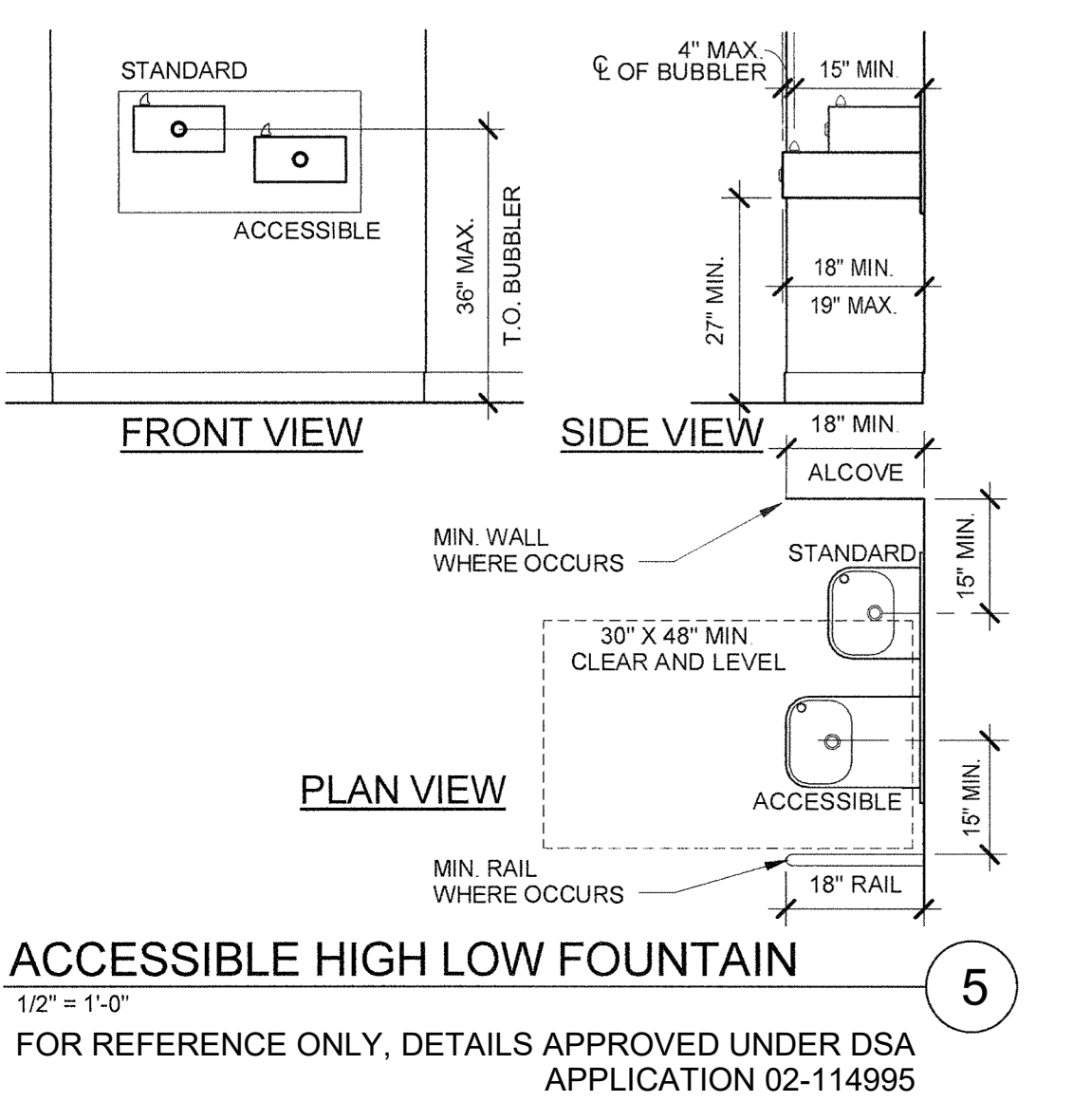
- (E) RESTROOM ELEVATIONS KEYNOTES**
- 06.17 PLASTIC LAMINATE CUSTOM CASEWORK
 - 09.42 CERAMIC TILE
 - 09.94 RIGID PROTECTIVE WALL COVERING
 - 10.07 PHENOLIC TOILET COMPARTMENT
 - 10.44 SOAP DISPENSER
 - 10.47 TOILET PAPER HOLDER
 - 10.48 SEAT COVER DISPENSER
 - 10.50 SANITARY PRODUCTS WASTE RECEPTACLE
 - 10.52 GRAB BAR
 - 10.60 MIRROR
 - 10.61 MIRROR AND SHELF UNIT
 - 22.05 SINK
 - 22.06 URINAL
 - 22.07 TOILET
 - 22.09 MOP SINK
 - 26.03 ELECTRICAL OUTLET
 - 26.07 LIGHT FIXTURE



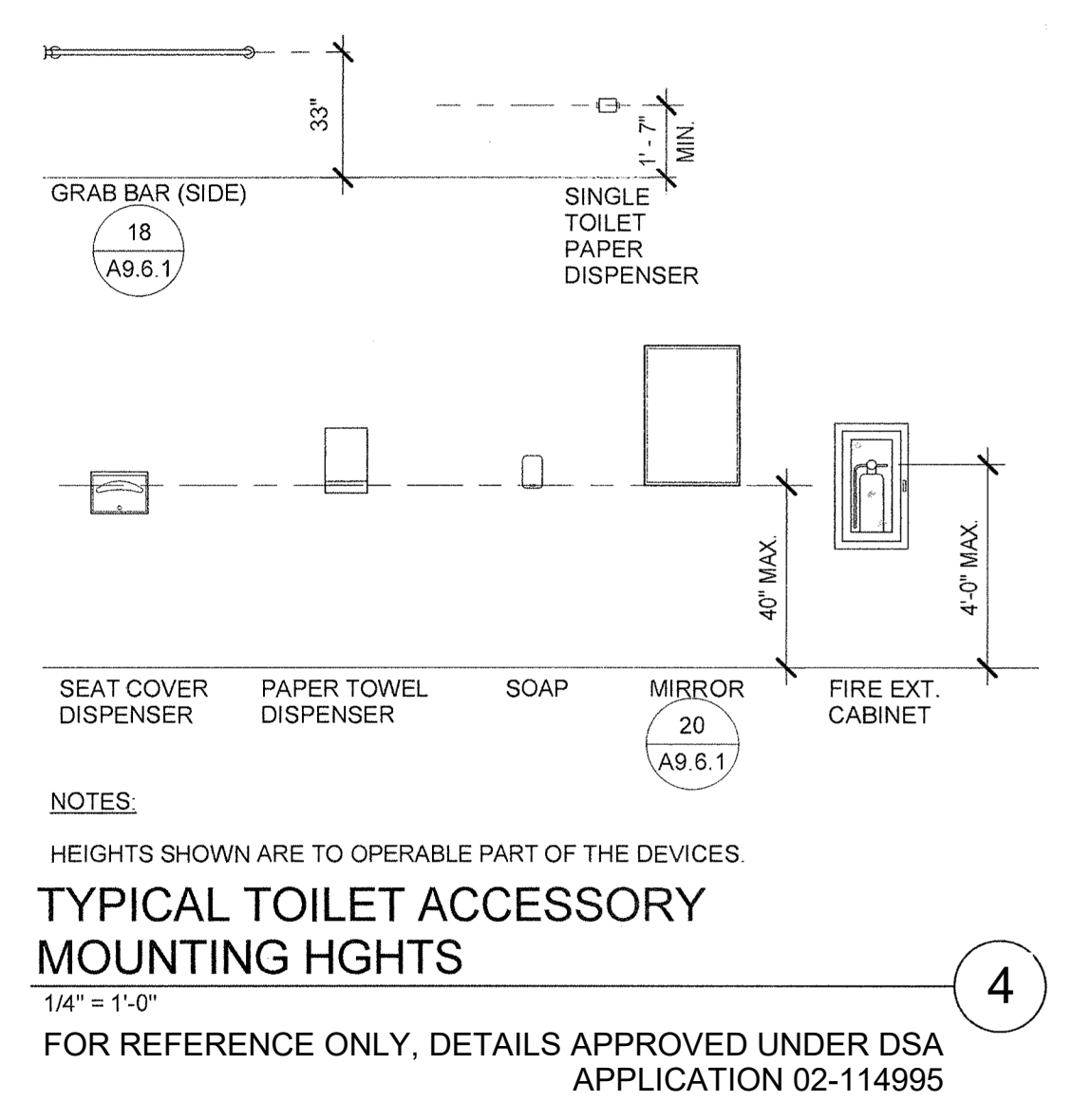
ACCESSIBLE URINAL
 1/2" = 1'-0"
 FOR REFERENCE ONLY, DETAILS APPROVED UNDER DSA
 APPLICATION 02-114995



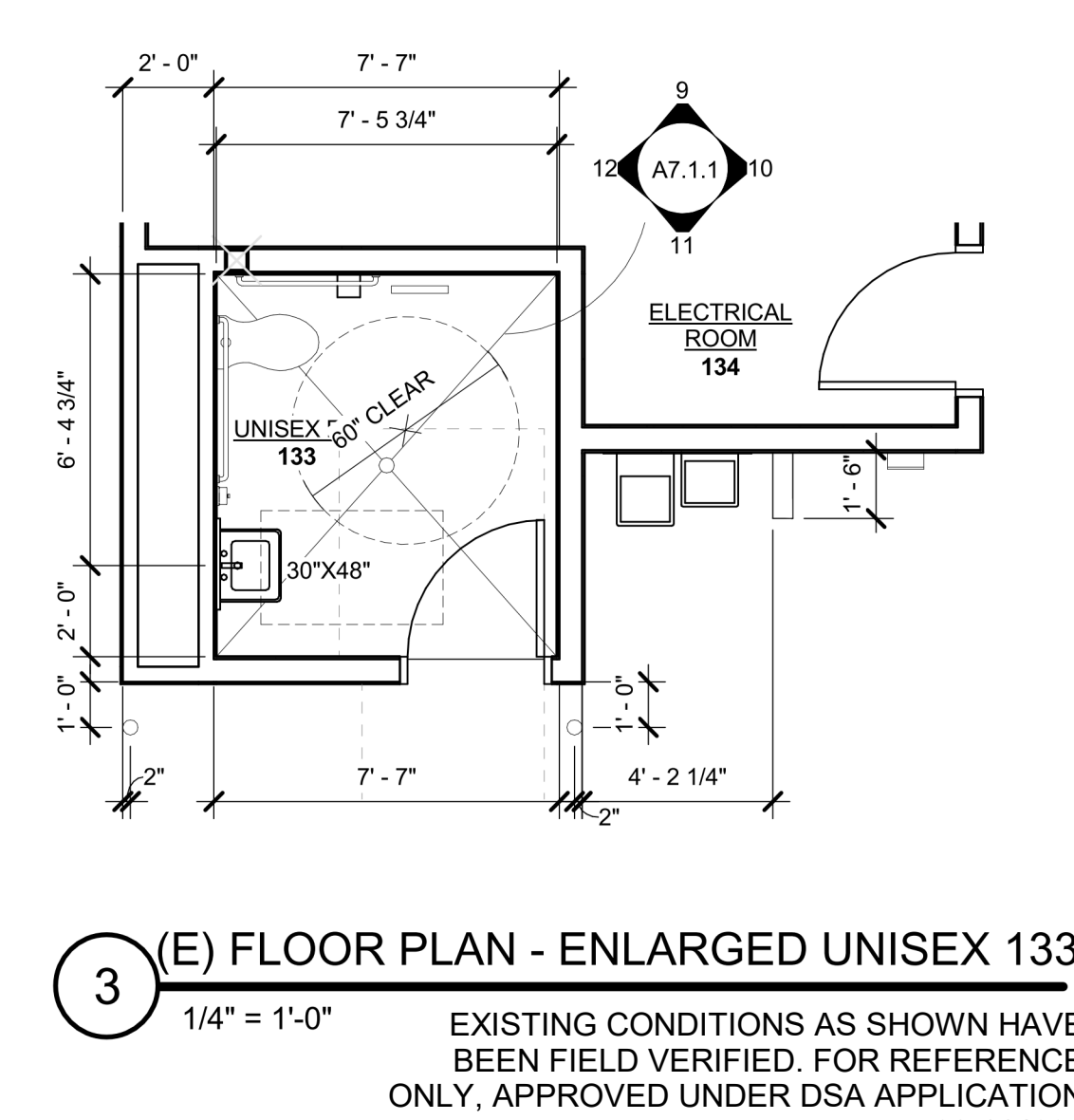
ACCESSIBLE LAVATORY
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 FOR REFERENCE ONLY, DETAILS APPROVED UNDER DSA
 APPLICATION 02-114995



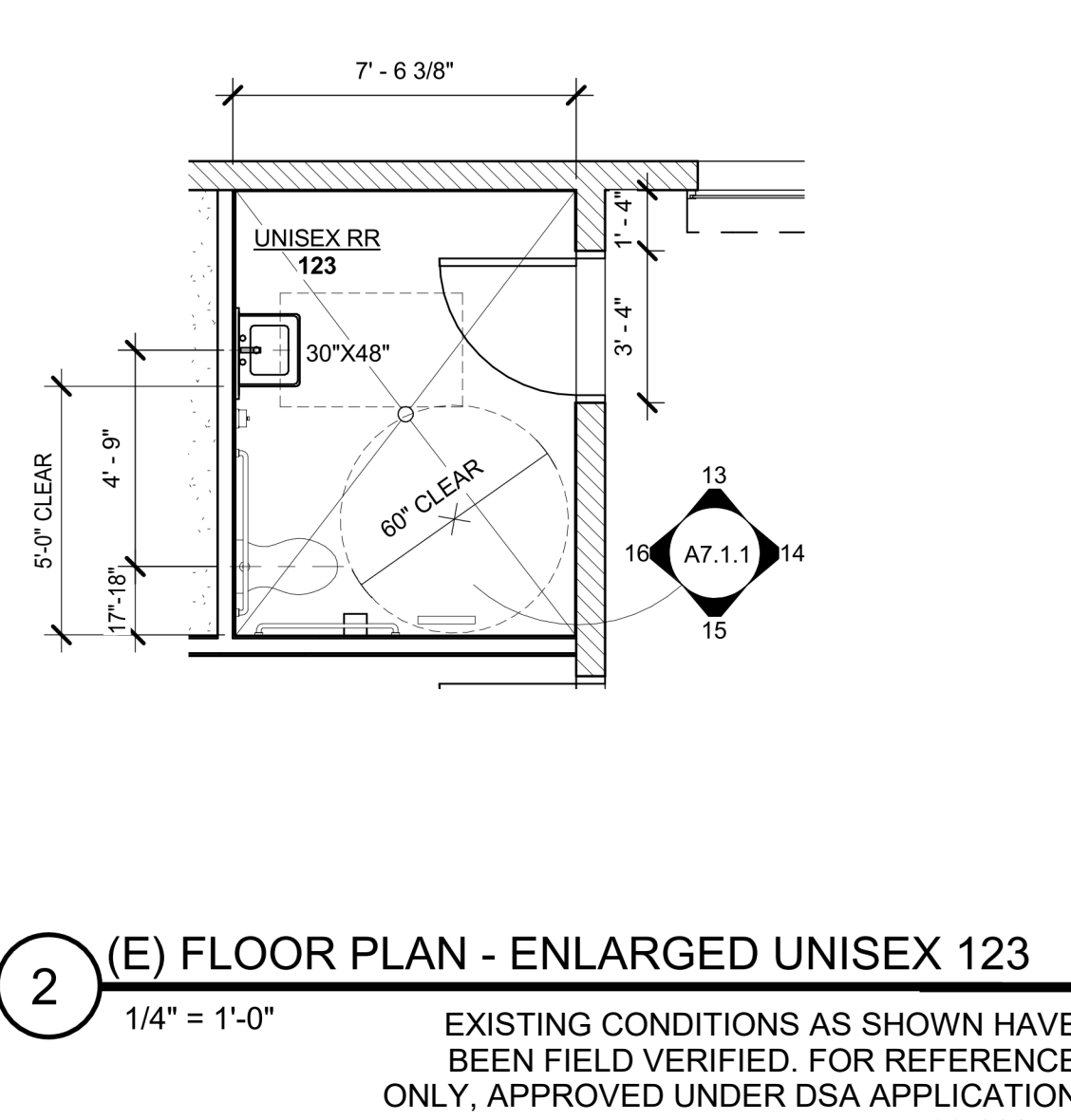
ACCESSIBLE HIGH LOW FOUNTAIN
 1/2" = 1'-0"
 FOR REFERENCE ONLY, DETAILS APPROVED UNDER DSA
 APPLICATION 02-114995



**TYPICAL TOILET ACCESSORY
 MOUNTING HIGHTS**
 1/4" = 1'-0"
 FOR REFERENCE ONLY, DETAILS APPROVED UNDER DSA
 APPLICATION 02-114995



(E) FLOOR PLAN - ENLARGED UNISEX 133
 1/4" = 1'-0"
 EXISTING CONDITIONS AS SHOWN HAVE
 BEEN FIELD VERIFIED. FOR REFERENCE
 ONLY, APPROVED UNDER DSA APPLICATION
 02-114995



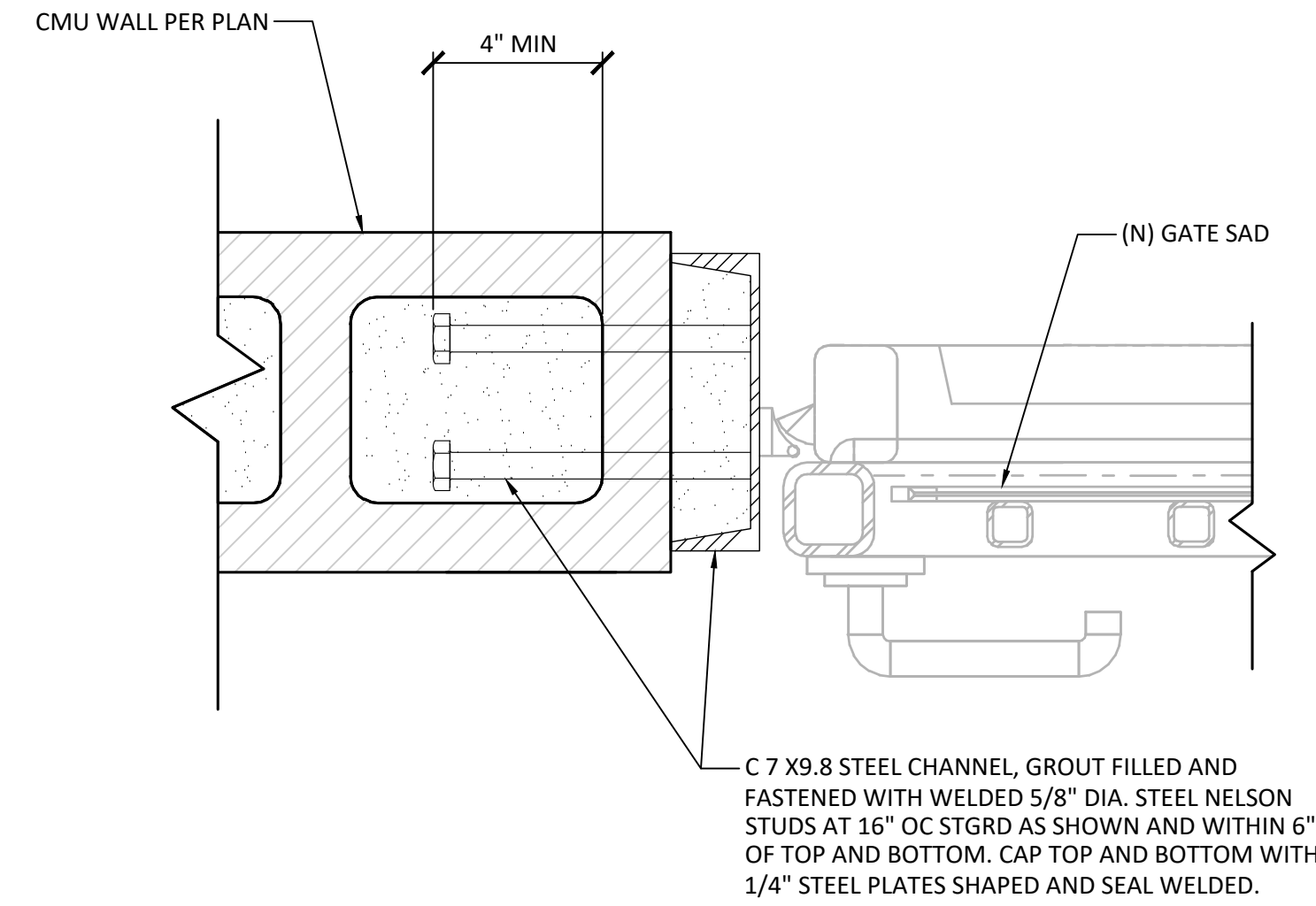
(E) FLOOR PLAN - ENLARGED UNISEX 123
 1/4" = 1'-0"
 EXISTING CONDITIONS AS SHOWN HAVE
 BEEN FIELD VERIFIED. FOR REFERENCE
 ONLY, APPROVED UNDER DSA APPLICATION
 02-114995

DECK DESIGNATION		MINIMUM PROPERTIES (1" WIDE SECTION)				DECK PROFILE AND ATTACHMENT			CONNECTIONS AT PARALLEL MEMBERS & BLOCKING		COMMENTS
PLAN DESIGNATION	DECK TYPE	+5 3 IN	-5 3 IN	1 3 IN	ALLOW DIAPHRAGM SHEAR	CONNECTORS/ WELDS PER SHEET TO SUPPORTS	DECK PROFILE/ WELD PATTERN	SIDE LAP ATTACHMENT	WELDS @ OWSG	WELDS @ ALL OTHER PARALLEL MEMBERS & BLOCKING	
18GA	3"=18 GA ASC DGB=36 G90 N DECK OR EQUAL	.688	.749	1.334	4771 PLF	(7) ARC SEAM WELDS L=1", de=3/8" MIN.		DETAIL GRIP @ 8" O.C.	ARC SEAM WELDS L=1", de=3/8" @ 12" O.C.	ARC SEAM WELDS L=1", de=3/8" @ 12" O.C.	

NOTE: 1. VALUES ARE BASED ON 8" MAX. SPAN
 2. VALUES REPORTED ABOVE ARE TAKEN FROM ESR #1414 (10/2016)

1 Metal Deck & Welding Schedule

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

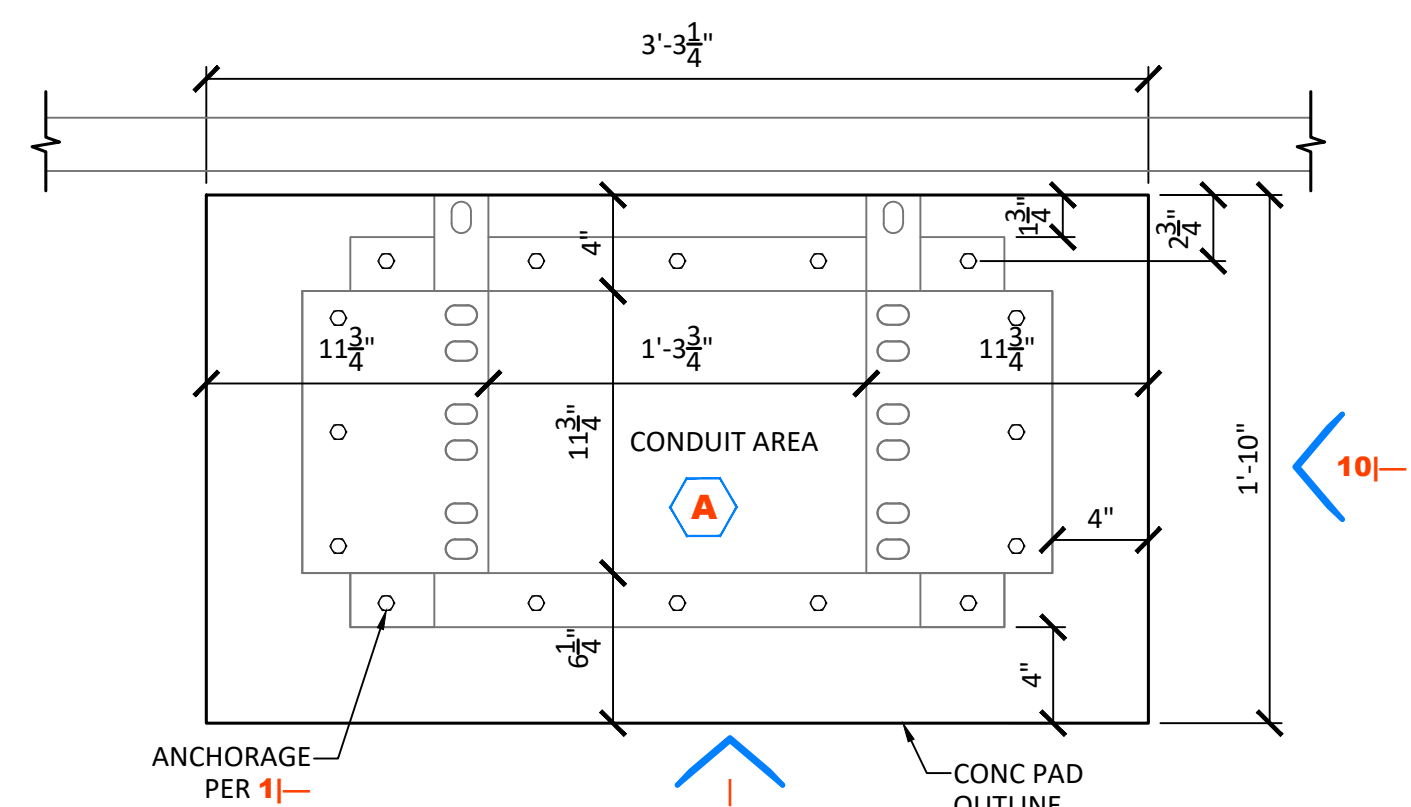


8 CMU Jamb Detail

Scale: 3" = 1'-0"

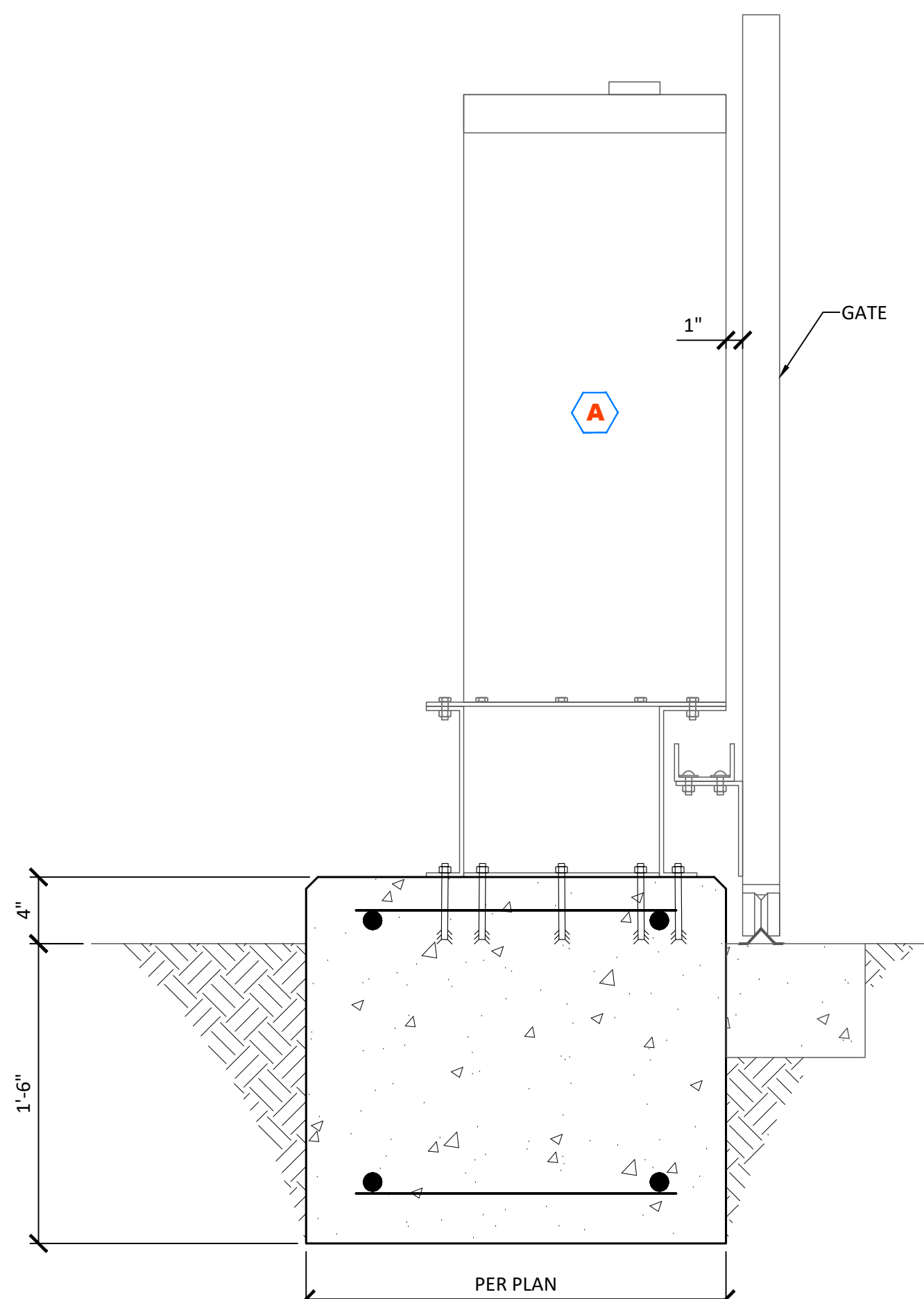
I. Equipment Schedule:

MARK	DESCRIPTION	MAX OPERATING WT	ANCHORAGE
A	ROLLING GATE OPERATOR	225#	(16) 3/4" Ø HILTI KB-T22 S5 w/ 3/4" NOMINAL EMBED PER 9IS1.0



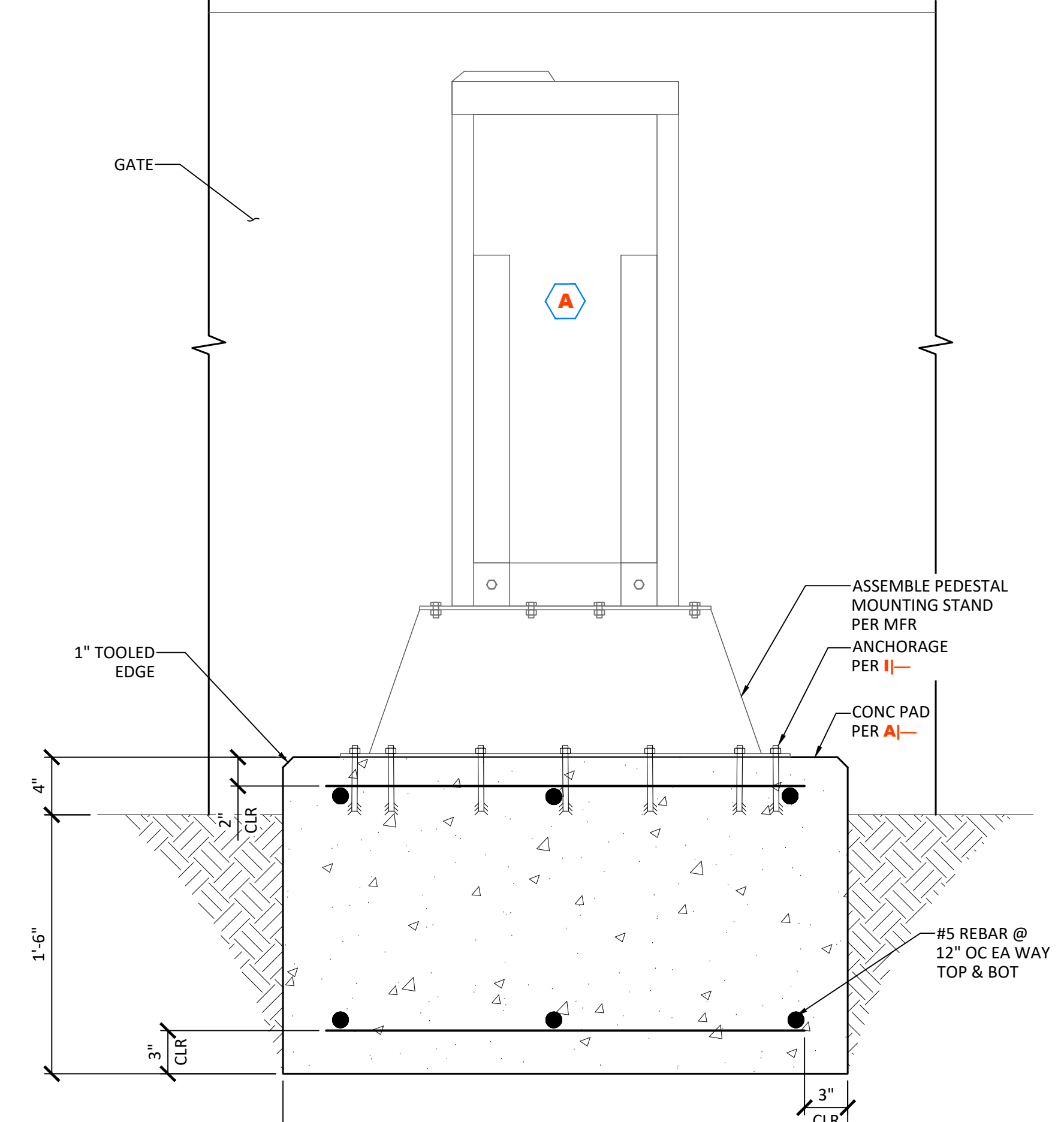
A Rolling Gate Operator Mounting Plan

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



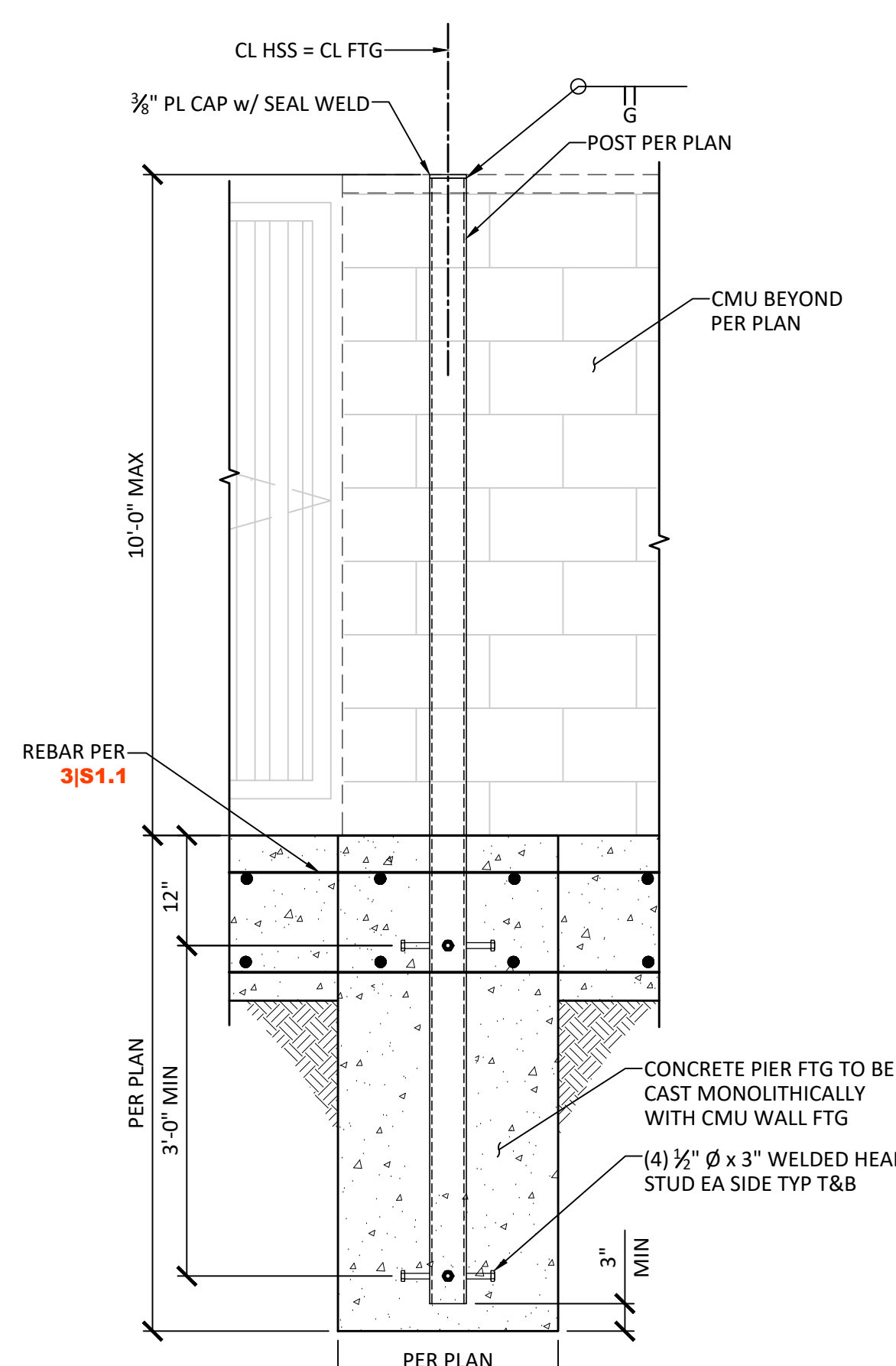
10 Side Elevation @ Rolling Gate Operator

Scale: 1 1/2" = 1'-0" SEE 9|— OTHERWISE



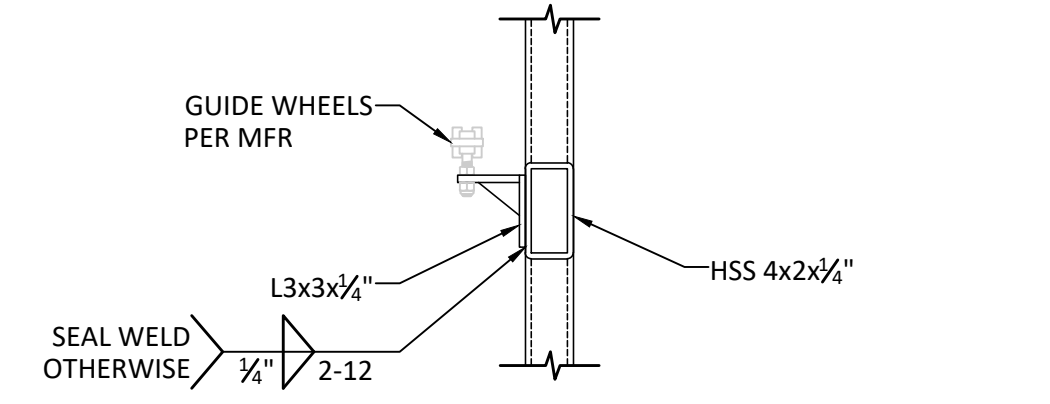
9 Elevation @ Rolling Gate Operator

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



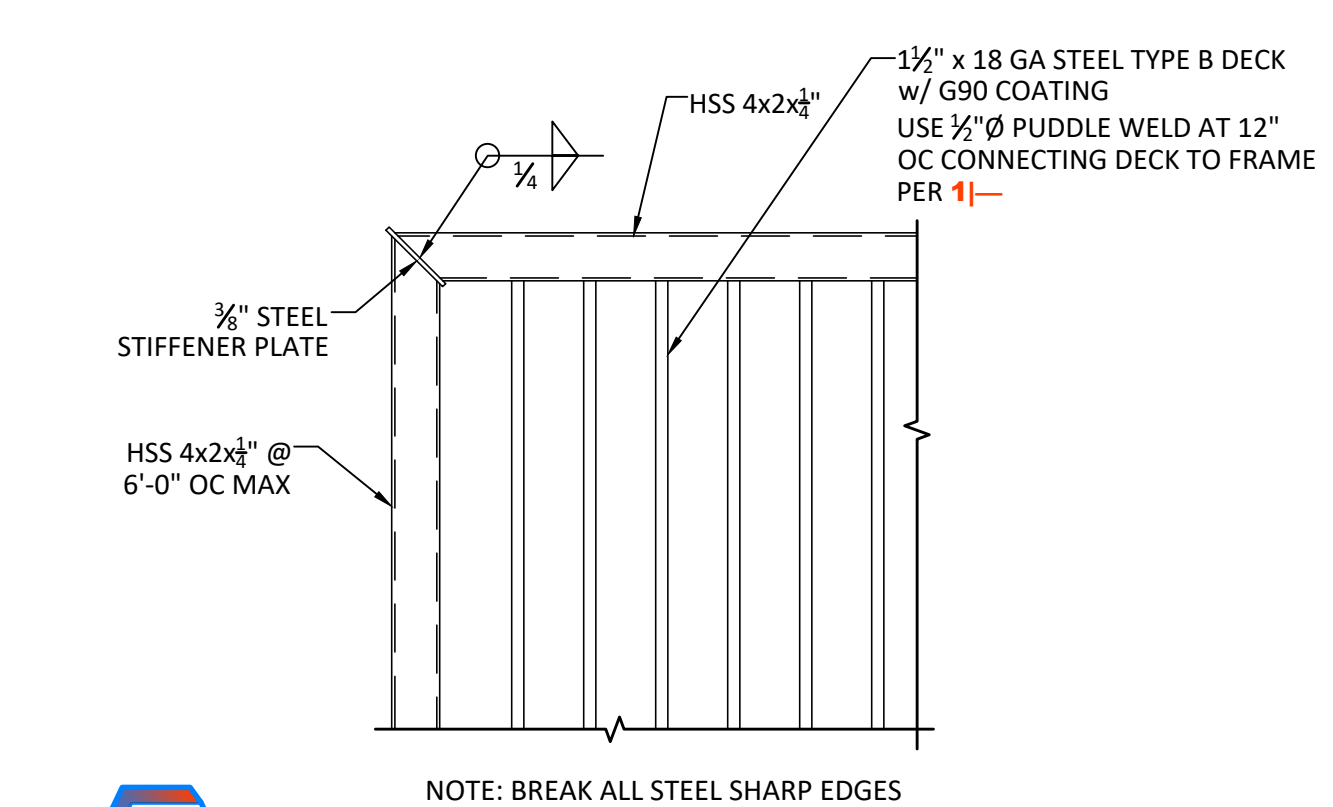
5 Gate Post Detail

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



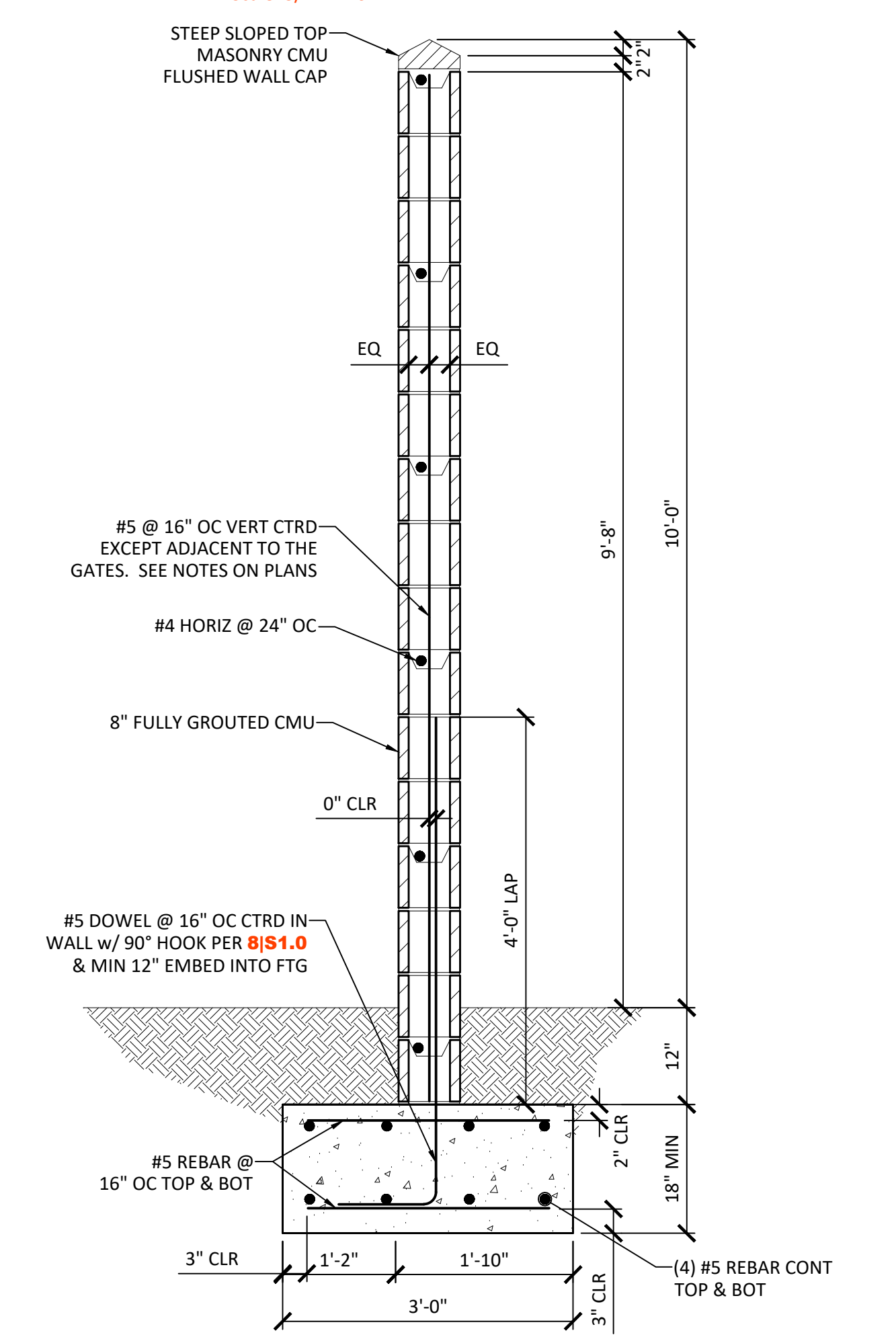
6 Typical Guide Wheel Angle Connection

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



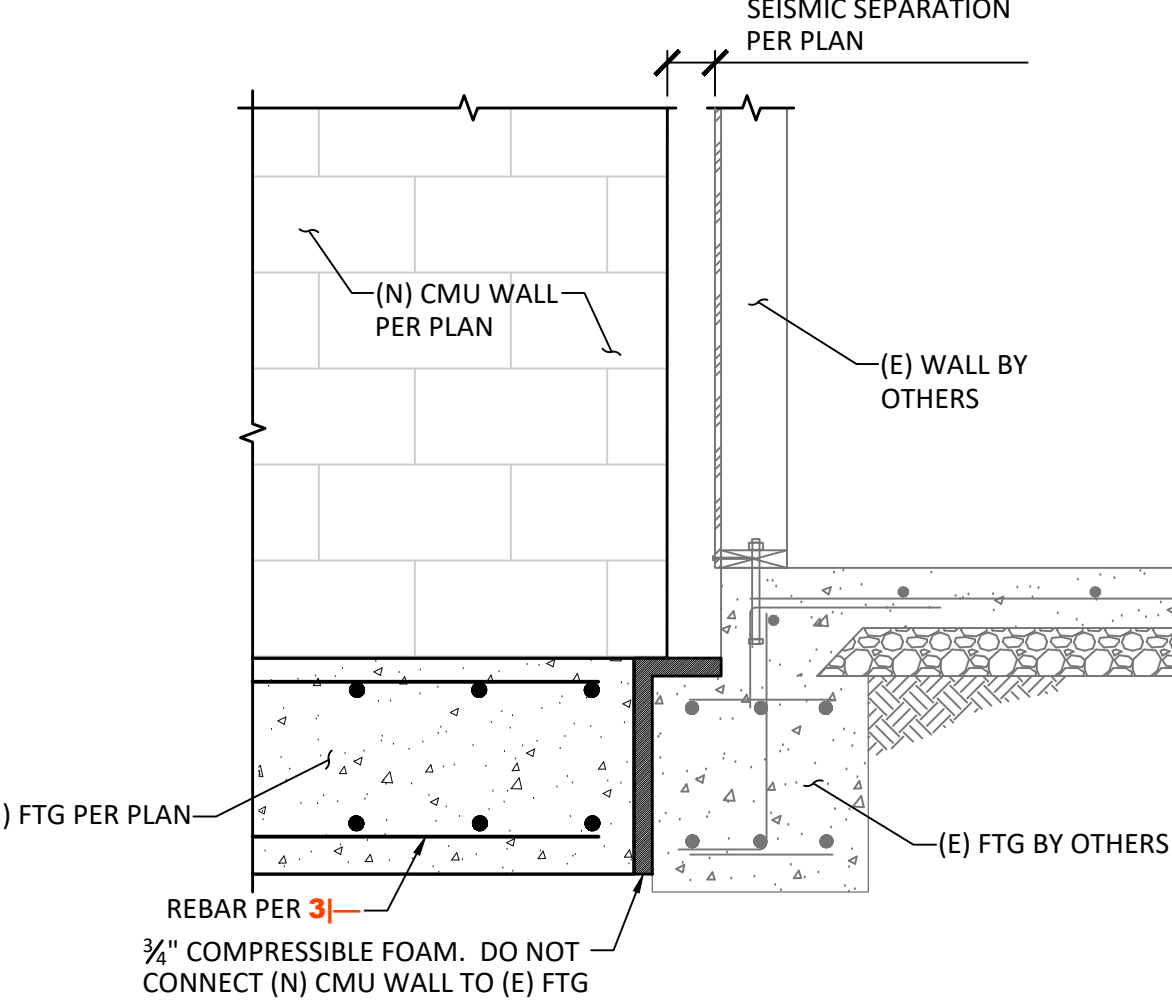
2 Frame Connection

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



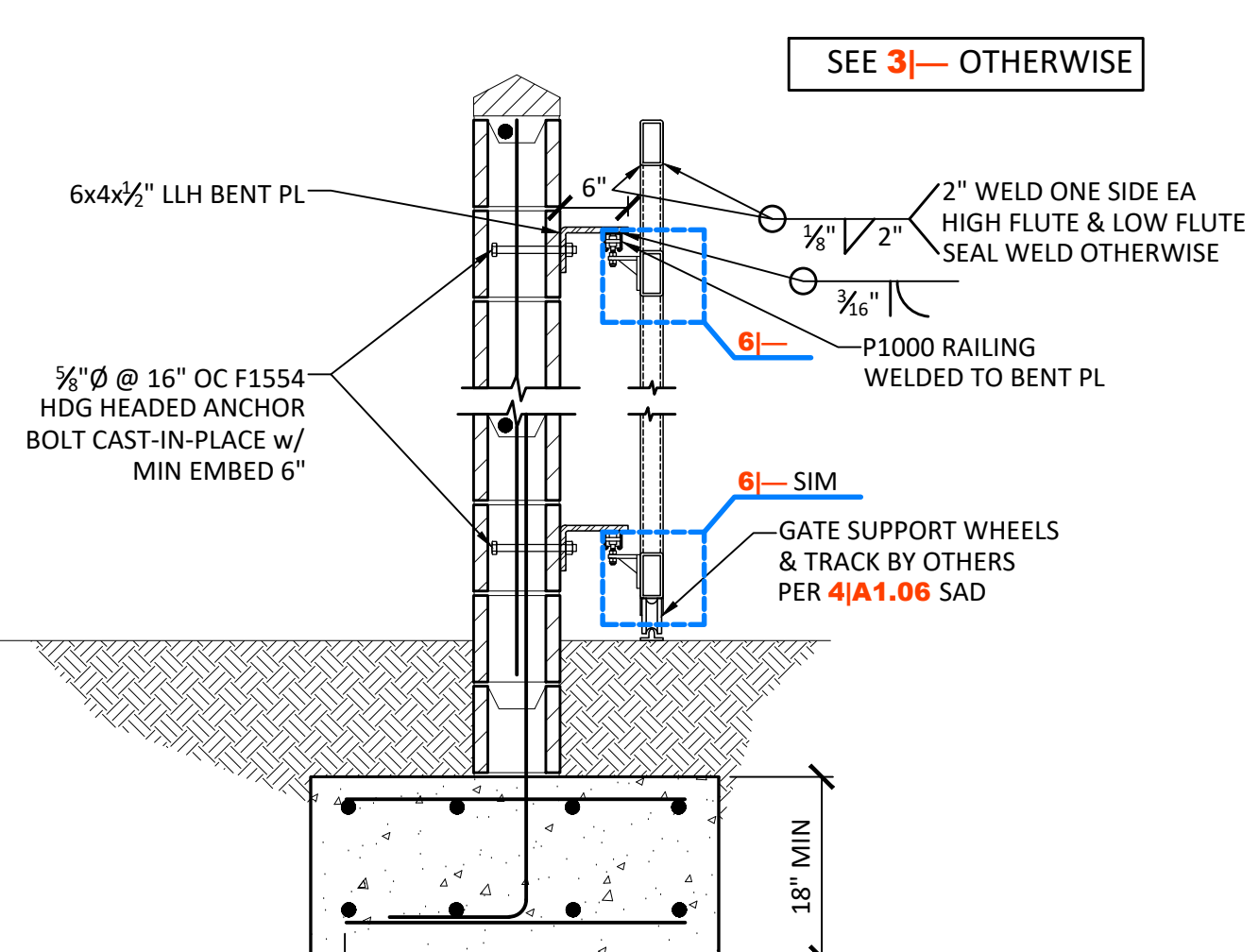
3 CMU Site Wall

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



7 CMU Site Wall

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



4 CMU at Rolling Gate

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

PROJECT
**SOLANO AUTO
 TECH SECURITY
 ENHANCEMENT**

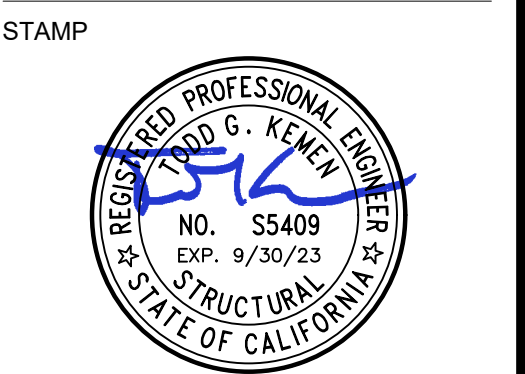


SOLANO COMMUNITY COLLEGE

CONSULTANT



5441 Fair Oaks Blvd.
 Teal Park - Suite G2
 Carmichael, CA 95608
 Phone: 916.680.9922
 RSE Project No. 22404



REVISIONS

No.	Description	Date
1		

MILESTONES
 DSA SUBMITTAL 04.01.2022
 DSA BACK CHECK 07.20.2022

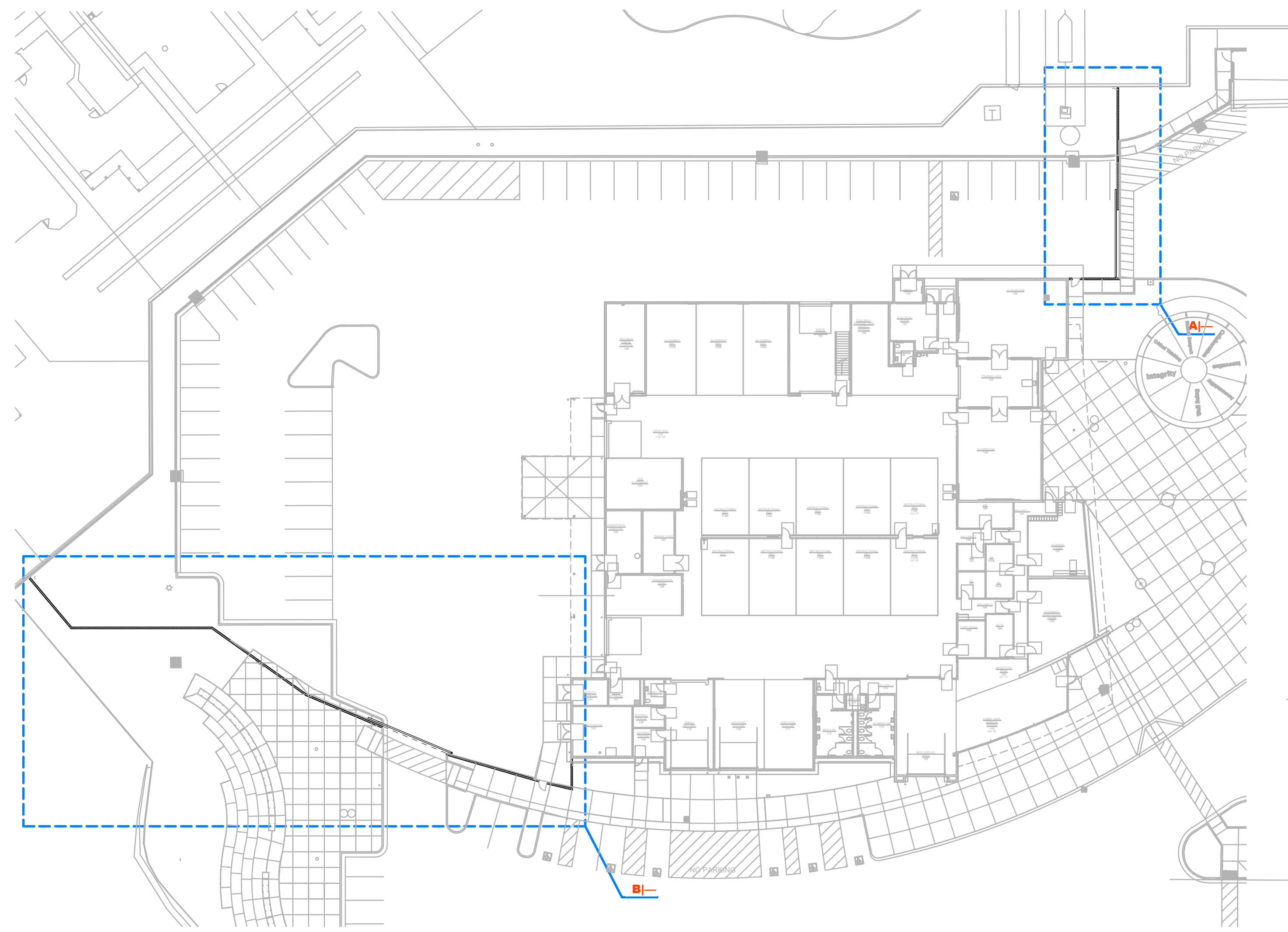
SHEET
Details

DSA# 02-119982

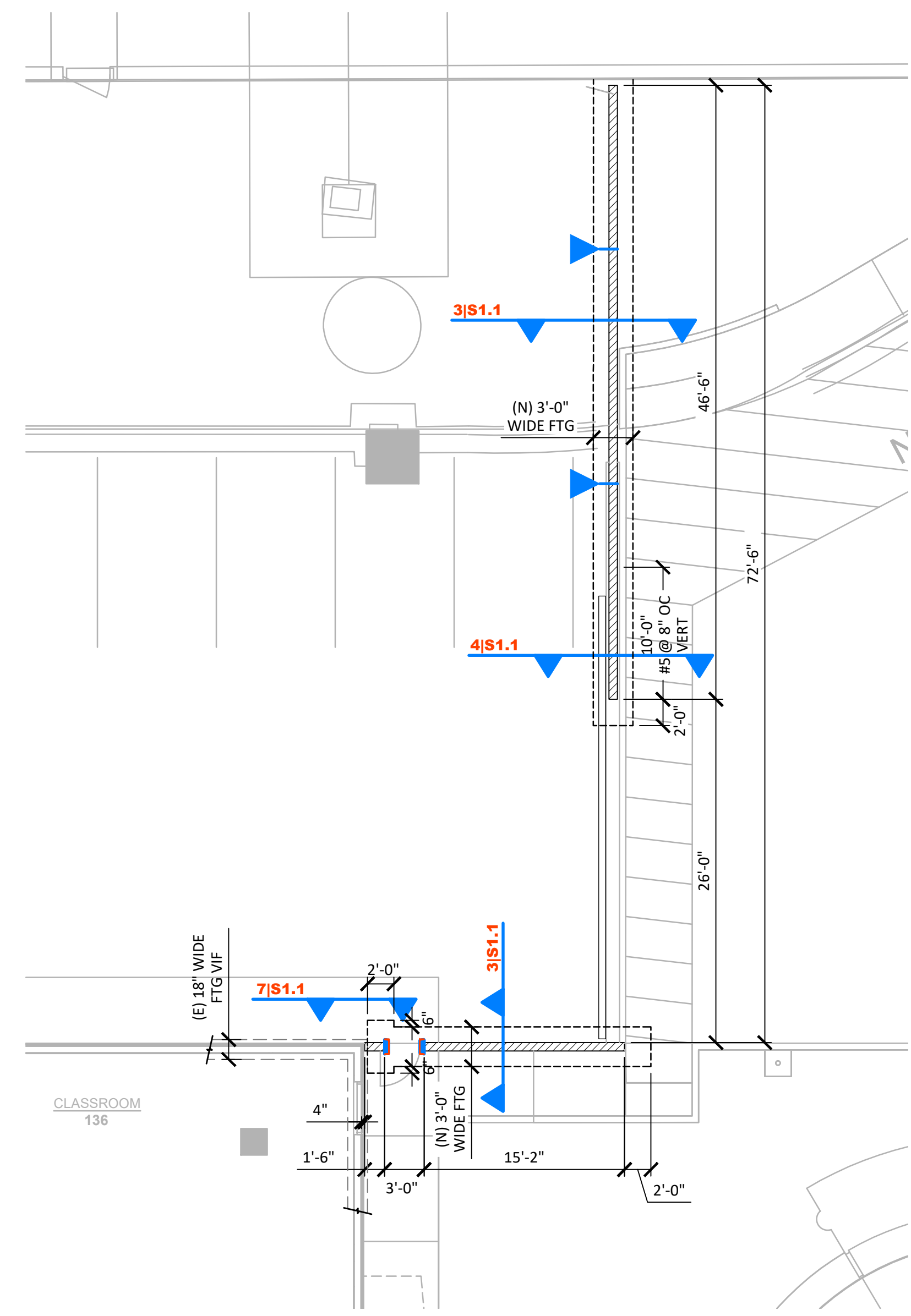
DATE 07/20/22

JOB# 2021027

SHEET#
S1.1



1 Key Plan
 Scale: 1/32" = 1'-0"



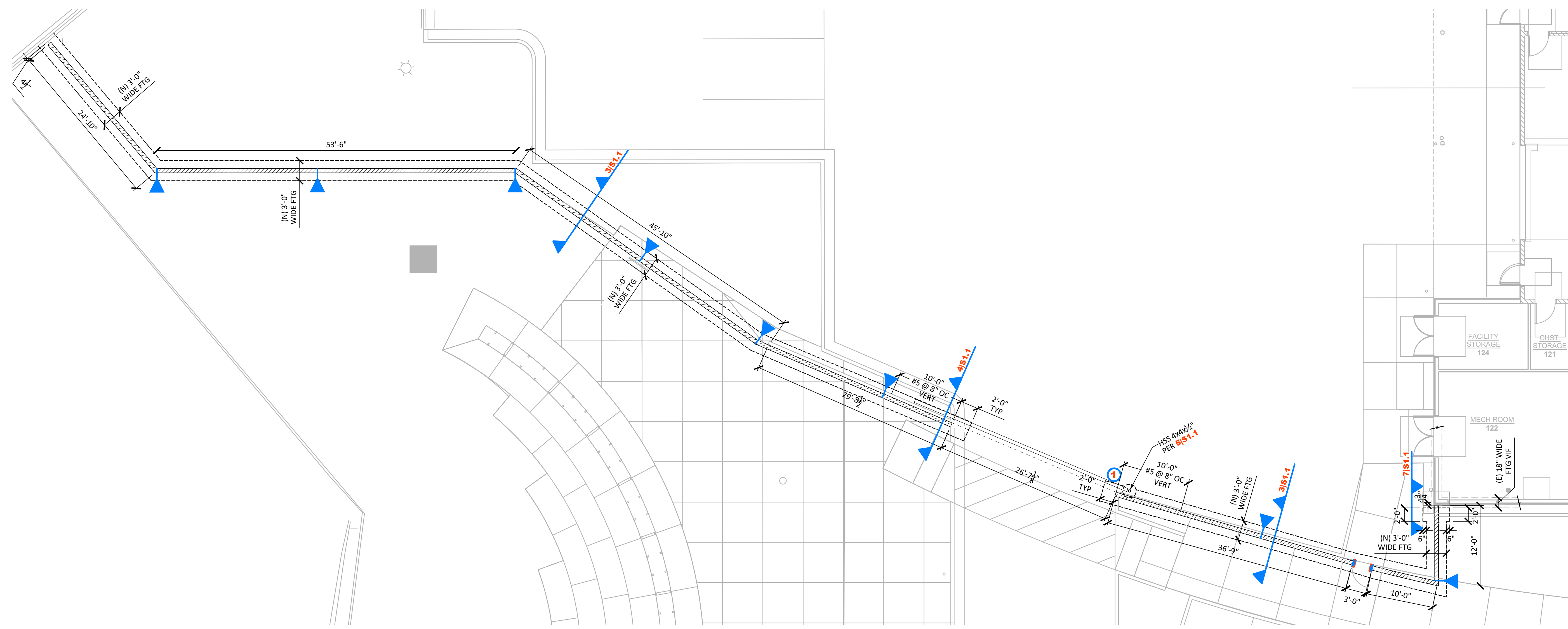
A Enlarged Plan
 Scale: 1/8" = 1'-0"

I. Legend:

	(N) 8" SOLID GROUTED CMU WALL
	(N) FOOTING
	(N) HSS COLUMN
	CONTROL JOINT PER 71S1.0
	C7x9.8 JAMB TYP @ MAN GATE PER DETAIL 81S1.1

II. Footing Schedule:

MARK	SIZE	DETAIL
1	24"Ø x 4'-6" DEEP	51S1.1



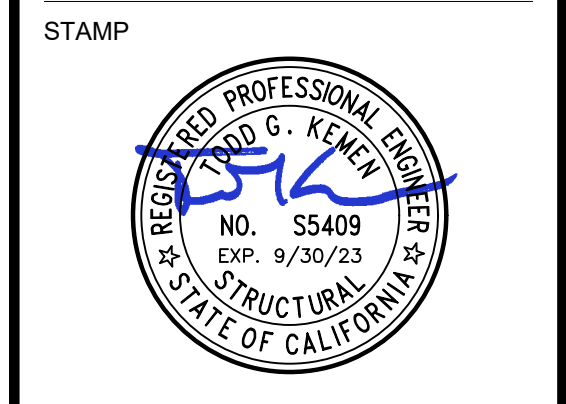
B Enlarged Plan
 Scale: 1/8" = 1'-0"

PROJECT
SOLANO AUTO TECH SECURITY ENHANCEMENT

SOLANO COMMUNITY COLLEGE
 CONSULTANT

RESPONSE
 STRUCTURAL ENGINEERS
 www.response-eng.com

5441 Fair Oaks Blvd.
 Teal Park - Suite G2
 Carmichael, CA 95608
 Phone: 916.680.9922
 RSE Project No. 22404



REVISIONS

No.	Description	Date
1		

MILESTONES

DSA SUBMITTAL	04.01.2022
DSA BACK CHECK	07.20.2022

Key Plan & Enlarged Foundation Plans

VOLTAGE DROP PERCENTAGE	(E) PANEL LA1										SECTION 1 OF 3		BUS RATING: 400 AMP		THREE PHASE		VOLTAGE		VOLTAGE DROP PERCENTAGE		
	LOCATION: ELEC RM 137										SERVING NORMAL		MAIN BREAKER: 400 AMP		4-WIRE		208Y/120				
	MOUNTING: X SURFACE										FLUSH		MAIN LUGS ONLY		FED-THRU LUGS						
LOAD DESCRIPTION										KVA LOAD		C. B.		PH		KVA LOAD		LOAD DESCRIPTION			
CONT.	RECP.	MOTOR	NON	AMP	POLE	PKT #	PH	PKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION						
0.72				20	1	1	A	2	1	20					TICKET MACHINE						
0.54				20	1	3	B	4	1	20					BLUE PHONE - EAST						
0.18				20	1	5	C	6	1	20		1.62			ROOF RECEIPT						
0.18				20	1	7	A	8	2	30			1.58		CORNER						
0.18				20	1	9	B	10	1	20			1.58		RECEPTS						
0.18				20	1	11	C	12	1	20			1.08		RECEPTS						
0.90				20	1	13	A	14	1	20			1.08		RECEPTS						
				20	1	15	B	16	1	20			1.08		RECEPTS						
1.80				20	1	17	C	18	1	20			0.72		RECEPTS						
1.62				20	1	19	A	20	1	20			1.20		RECEPTS						
1.08				20	1	21	B	22	1	20			1.62		RECEPTS						
0.72				20	1	23	C	24	1	20			1.44		RECEPTS RESTROOMS						
1.44				20	1	25	A	26	1	20			1.08		OVERHEAD ELECT RM						
1.26				20	1	27	B	28	1	20			2.18		RECEPTS						
1.08				20	1	29	C	30	1	20			0.60		RECEPTS						
1.08				20	1	31	A	32	1	20			0.72		RECEPTS						
0.90				20	1	33	B	34	1	20			1.32		RECEPTS						
				0.28									0.50		BLUE PHONE - SOUTH						
				0.12									0.12		DOOR SECURITY POWER						
				0.55									0.28		FACP						
				0.18									0.28		POWER - ECLIPSE LIGHTING						
TOTALS										0.00	14.04	0.55	0.37								
TOTAL CONTINUOUS LOAD @ 125%:										0.00	15.80	0.00	5.02	TOTALS							
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:										0.00	15.80	0.00	5.02								
TOTAL NONCONTINUOUS LOAD:										0.00	15.80	0.00	5.02								
TOTAL MOTOR LOAD:										0.00	15.80	0.00	5.02								
LARGEST MOTOR @ 25%:										0.00	15.80	0.00	5.02								
TOTAL DEMAND LOAD:										63.25	0.00	0.00	0.00								
CONNECTED KVA TOTAL/PHASE:										35.84	33.22	33.33									
MINIMUM FEEDER CAPACITY:										63.25	0.00	0.00	0.00								
TOTAL CONTINUOUS LOAD @ 125%:										0.00	15.80	0.00	5.02								
TOTAL RECEPTACLE LOAD, 100% FOR FIRST 10KVA, & 50% FOR REMAINDER:										0.00	15.80	0.00	5.02								
TOTAL NONCONTINUOUS LOAD:										0.00	15.80	0.00	5.02								
TOTAL MOTOR LOAD:										0.00	15.80	0.00	5.02								
LARGEST MOTOR @ 25%:										0.00	15.80	0.00	5.02								
TOTAL DEMAND LOAD:										63.25	0.00	0.00	0.00								
CONNECTED KVA TOTAL/PHASE:										35.84	33.22	33.33									
MINIMUM FEEDER CAPACITY:										63.25	0.00	0.00	0.00								

VOLTAGE DROP PERCENTAGE	(E) PANEL LA2										SECTION 2 OF 3		BUS RATING: 400 AMP		THREE PHASE		VOLTAGE		VOLTAGE DROP PERCENTAGE		
	LOCATION: ELEC RM 137										SERVING NORMAL		MAIN BREAKER: 400 AMP		4-WIRE		208Y/120				
	MOUNTING: X SURFACE										FLUSH		MAIN LUGS ONLY		FED-THRU LUGS						
LOAD DESCRIPTION										KVA LOAD		C. B.		PH		KVA LOAD		LOAD DESCRIPTION			
CONT.	RECP.	MOTOR	NON	AMP	POLE	PKT #	PH	PKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION						
0.90				20	1	1	A	2	1	20					RECEPTS						
0.72				20	1	3	B	4	1	20					RECEPTS						
0.72				20	1	5	C	6	1	20					RECEPTS						
1.08				20	1	7	A	8	1	20					RECEPTS						
0.72				20	1	9	B	10	1	20					RECEPTS						
0.72				20	1	11	C	12	1	20					RECEPTS						
0.72				20	1	13	A	14	1	20					RECEPTS						
1.26				20	1	15	B	16	1	20					FLOOR BOX						
1.26				20	1	17	C	18	1	20					RECEPTS						
0.18				20	1	19	A	20	1	20					RECEPTS						
0.18				20	1	21	B	22	1	20					OVERHEAD PROJECTOR RM 136						
0.18				20	1	23	C	24	1	20					SPARE						
0.18				20	1	25	A	26	1	20					SPARE						
0.18				20	1	27	B	28	1	20					RECEPTS						
1.08				20	1	29	C	30	1	20					RECEPTS						
0.36				20	1	31	A	32	1	20					RECEPTS						
0.72				20	1	33	B	34	1	20					AV CABINET						
0.90				20	1	35	C	36	1	20					RECEPTS						
0.54				20	1	37	A	38	1	20					RECEPTS						
0.54				20	1	39	B	40	1	20					SLIDE GATE OPERATOR						
0.54				20	1	41	C	42	1	20					RECEPTS						
TOTALS										0.00	12.42	0.18	0.00								

SEE 'SECTION 1' FOR PANEL LOAD SUMMARY

VOLTAGE DROP PERCENTAGE	(E) PANEL LA3										SECTION 3 OF 3		BUS RATING: 400 AMP		THREE PHASE		VOLTAGE		VOLTAGE DROP PERCENTAGE		
	LOCATION: ELEC RM 137										SERVING NORMAL		MAIN BREAKER: 400 AMP		4-WIRE		208Y/120				
	MOUNTING: X SURFACE										FLUSH		MAIN LUGS ONLY		FED-THRU LUGS						
LOAD DESCRIPTION										KVA LOAD		C. B.		PH		KVA LOAD		LOAD DESCRIPTION			
CONT.	RECP.	MOTOR	NON	AMP	POLE	PKT #	PH	PKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION						
0.72				20	1	1	A	2	1	20					RECEPTS						
0.90				20	1	3	B	4	1	20					RECEPTS						
1.08				20	1	5	C	6	1	20					RECEPTS						
1.08				20	1	7	A	8	1	20					RECEPTS						
0.72				20	1	9	B	10	1	20					RECEPTS						
0.72				20	1	11	C	12	1	20					RECEPTS						
0.72				20	1	13	A	14	1	20					RECEPTS						
1.08				20	1	15	B	16	1	20					RECEPTS						
0.90				20	1	17	C	18	1	20					RECEPTS						
0.72				20	1	19	A	20	1	20					RECEPTS						
0.36				20	1	21	B	22	1	20					SPARE						
				0.72											RECEPTS						
				0.12											RECEPTS						
1.00				20	1	25	A	26	1	20					RECEPTS						
1.00				20	1	27	B	28	1	20					DEB RECEIPT						
1.00				20	1	29	C	30	1	20					INTRUSION DETECTION PANEL						
1.00				20	1	31	A	32	1	20					SPARE						
1.00				20	1	33	B	34	1	20					SPARE						
1.00				20	1	35	C	36	1	20					SPARE						
4.56				100	3	39	B	40	1	20			1.00		CONFERENCE FURNITURE						
2.61				100	3	39	B	40	1	20			1.54		SPACE						
3.00				20	1	41	C	42	1	20			1.54		SPACE						
TOTALS										0.00	23.46	0.00	0.84								

SEE 'SECTION 1' FOR PANEL LOAD SUMMARY

VOLTAGE DROP PERCENTAGE	(E) PANEL QL2A										SECTION 1 OF 2		BUS RATING: 300 AMP		THREE PHASE		VOLTAGE		VOLTAGE DROP PERCENTAGE		
	LOCATION: TRANS DYN0 126										SERVING NORMAL		MAIN BREAKER: 300 AMP		4-WIRE		208Y/120				
	MOUNTING: X SURFACE										FLUSH		MAIN LUGS ONLY		FED-THRU LUGS						
LOAD DESCRIPTION										KVA LOAD		C. B.		PH		KVA LOAD		LOAD DESCRIPTION			
CONT.	RECP.	MOTOR	NON	AMP	POLE	PKT #	PH	PKT #	POLE	AMP	CONT.	RECP.	MOTOR	NON	LOAD DESCRIPTION						
				30	2	1	A	2	1	20					DRILL PRESS						
				30	2	3	B	4	1	20					GRINDER						
				30	2	5	C	6	1	20					PARTS CLEANER						
				30	2	7	A	8	1	20					SPARE						
				30	2	9	B	10	2	30					FLOOR WASHER CHARGER						
				30	2	11	C	12	1	20					RECEPTS						
				30	2	13	A	14	1	20											

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE
 This document is used to demonstrate compliance with mandatory requirements in §130.5 for electrical systems in newly constructed nonresidential, high-rise residential and hotel/motel occupancies. Additions and alterations to electrical service systems in these occupancies will also use this document to demonstrate compliance per §141.0(a) or §141.0(b)(2) for alterations.

Project Name: Solano Auto Tech Security Enhancement Report Page: Page 3 of 4
 Project Address: 1683 N. Ascot Parkway, Vallejo, CA Date Prepared: 7/1/2022

A. GENERAL INFORMATION
 01 Project Location (city) Vallejo 02 Occupancy Types Within Project:
 Office Retail Warehouse Hotel/ Motel School Support Areas
 Parking Garage High-Rise Residential Relocatable Healthcare Facilities Other (Write In): Auto Shop

B. PROJECT SCOPE
 Table Instructions: Include any electrical service systems that are within the scope of the permit application.

01	02	03	04	05	06
Electrical Service Designation/Description	Scope of Work ¹	Rating (kVA)	Utility Provided Metering System Exception to §130.5(a) ²	System subject to CA Elec Code Article 17 Exception to §130.5(a)&(b)	Demand Response Controls Where required, demand response controls must be specified which are capable of receiving and automatically responding to at least one standards based messaging protocol which enables demand response after receiving a demand response signal. Sections §132.5, §130.1 and §130.3 and compliance documents NRCC-MCH, NRCC-LTI and NRCC-LTS will indicate when demand response controls are required.
Existing Panel QL2A / QL2B	Add/Alt to feeders and branch circuits only		<input type="checkbox"/>	<input type="checkbox"/>	
Existing Panel LA1 / LA2 / LA3	Add/Alt to feeders and branch circuits only		<input type="checkbox"/>	<input type="checkbox"/>	

¹ FOOTNOTES: Adding only new feeders and branch circuits triggers Voltage Drop 130.5(c), no other requirements from 130.5 are required.
² Applicable if the utility company is providing a metering system that indicates instantaneous kW demand and kWh for a utility-defined period.

C. COMPLIANCE RESULTS
 Table Instructions: If this table says "DOES NOT COMPLY" refer to Table D, for guidance and review the Table that indicates "No".
 Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE
 Project Name: Solano Auto Tech Security Enhancement Report Page: Page 4 of 4
 Project Address: 1683 N. Ascot Parkway, Vallejo, CA Date Prepared: 7/1/2022

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
Existing Panel LA1 / LA2 / LA3	<input checked="" type="checkbox"/> Voltage drop < 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to §130.5(c)) ²	In construction documents	E0.01	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

¹ FOOTNOTES: Voltage drop calculations may be attached to the permit application outside the construction documents if allowed by the Authority Having Jurisdiction. Select "attached" if applicable. If calculations will be the responsibility of the installing contractor, select "Contractor Responsible".

I. CIRCUIT CONTROLS FOR 120-VOLT RECEPTACLES AND CONTROLLED RECEPTACLES
 This Section Does Not Apply

J. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
 Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCC/

YES	NO	Form/Title	Field Inspector
<input checked="" type="radio"/>	<input type="radio"/>	NRCC-ELC-01-E - Must be submitted for all buildings.	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

K. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
 There are no Certificates of Acceptance applicable to electrical power distribution requirements.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE
 Project Name: Solano Auto Tech Security Enhancement Report Page: Page 2 of 4
 Project Address: 1683 N. Ascot Parkway, Vallejo, CA Date Prepared: 7/1/2022

01	02	03	04	05			
Service Electrical Metering §130.5(a)	AND	Separation for Monitoring §130.5(b)	AND	Voltage Drop §130.5(c)	AND	Controlled Receptacles §130.5(d)	Compliance Results
(See Table F)	(See Table G)	(See Table H)	(See Table I)				COMPLIES

D. EXCEPTIONAL CONDITIONS
 This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
 No exceptional conditions apply to this project.

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

F. SERVICE ELECTRICAL METERING
 This Section Does Not Apply

G. SEPARATION OF ELECTRICAL CIRCUITS FOR ENERGY MONITORING
 This Section Does Not Apply

H. VOLTAGE DROP
 Table Instructions: Please complete this table for entirely new or complete replacement electrical power distribution systems, or alterations that add, modify or replace both feeders and branch circuits to demonstrate compliance with §130.5(c). For alterations, only the altered circuits must demonstrate compliance per §141.0(b)(2)(ii).

01	02	03	04	05
Electrical Service Designation/Description	Combined Voltage Drop on Installed Feeder/Branch Circuit Conductors Compliance Method	Location of Voltage Drop Calculations ¹	Sheet Number for Voltage Drop Calculations in Construction Documents	Field Inspector
Existing Panel QL2A / QL2B	<input checked="" type="checkbox"/> Voltage drop < 5% <input type="checkbox"/> Permitted by CA Elec Code (Exception to §130.5(c)) ²	In construction documents	E0.01	Pass <input type="checkbox"/> Fail <input type="checkbox"/>

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA
Electrical Power Distribution
 NRCC-ELC-E (Created 01/20) CALIFORNIA ENERGY COMMISSION NRCC-ELC-E

CERTIFICATE OF COMPLIANCE
 Project Name: Solano Auto Tech Security Enhancement Report Page: Page 4 of 4
 Project Address: 1683 N. Ascot Parkway, Vallejo, CA Date Prepared: 7/1/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
 I certify that this Certificate of Compliance documentation is accurate and complete.

Documentation Author Name: Lai Vo Documentation Author Signature:

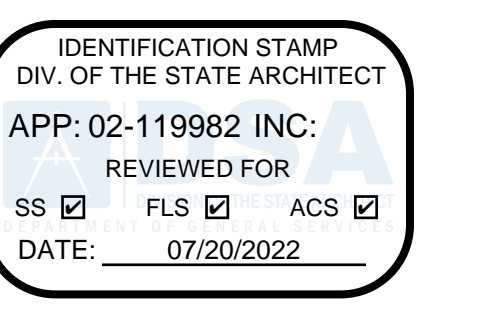
Company: EDGE Electrical Consulting Signature Date: 7/12/2022
 Address: 1801 7th Street, Suite 150 CEA/HERS Certification Identification (if applicable):
 City/State/Zip: Sacramento, CA 95811 Phone: 916-256-2460

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

Responsible Designer Name: Yip Shing Donny Lee Responsible Designer Signature:

Company: EDGE Electrical Consulting Date Signed: 7/12/2022
 Address: 1801 7th Street, Suite 150 License: E-017376
 City/State/Zip: Sacramento, CA 95811 Phone: 916-256-2460

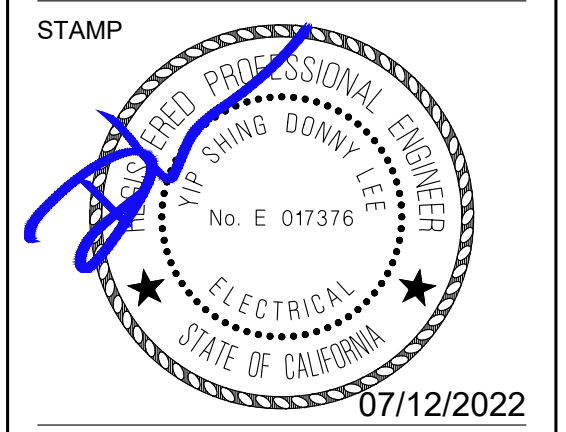
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020



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 Project Number: J229 Contact: Lai Vo



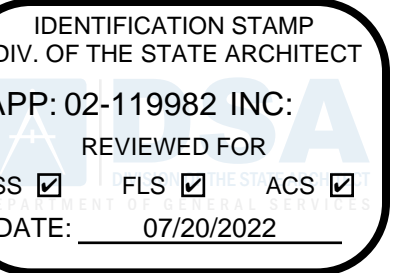
REVISIONS

No.	Description	Date
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MILESTONES

DSA SUBMITTAL 04.01.2022
 DSA BACK CHECK 07.20.2022

SHEET
TITLE 24 COMPLIANCE
 DSA# 02-119982
 DATE 07/20/22
 JOB # 2021027
 SHEET #
E0.02



- A. General:
 - 1. For wire sizes 10 AWG and smaller, install wire colors in accordance with the following:
 - a. Black, red, and blue for circuits at 120/208 volts single or three phase.
- B. Neutral Conductors: White. When two or more neutrals are located in one conduit, individually identify each with proper circuit number.
- C. Branch Circuit Conductors: Install three or four wire home runs with each phase uniquely color coded.
- D. Feeder Circuit Conductors: Uniquely color code each phase.
- E. Ground Conductors:
 - 1. For 6 AWG and smaller: Green.

3.12 INSTALLATION - RACEWAY:

- A. Raceway routing is shown in approximate locations unless dimensioned. Route to complete wiring system.
- B. Do not install PVC conduit above ground.
- C. All Conduits Shall Be Rigid Steel, except EMT may be used at the following locations:
- D. Unless otherwise specified, all raceway shall be installed concealed. Raceway may be run exposed on unfinished walls, in attic spaces, in electrical rooms and when routed to surface panels, cabinets or gutters.
- E. Arrange raceway supports to prevent misalignment during wiring installation.
- F. Support raceway using coated steel or malleable iron straps, lay-in adjustable hangers, clevis hangers, and split hangers.
- G. Group related raceway, support using conduit rack. Construct rack using steel channel; provide space on each for 25 percent additional raceways.
- H. Do not support raceway with wire or perforated pipe straps. Remove wire used for temporary supports
- I. Do not attach raceway to ceiling support wires or other piping systems.
- J. Construct wireway supports from steel channel.
- K. Route exposed raceway parallel and perpendicular to walls.
- L. Route raceway installed above accessible ceilings parallel and perpendicular to walls.
- M. Maintain clearance between raceway and piping for maintenance purposes.
- N. Maintain 12-inch clearance between raceway and surfaces with temperatures exceeding 104 degrees F.
- O. Cut conduit square using saw or pipe cutter; de-burr cut ends.
- P. Bring conduit to shoulder of fittings; fasten securely.
- Q. Install no more than equivalent of three 90-degree bends between boxes. Install conduit bodies to make sharp changes in direction, as around beams. Install factory elbows for bends in metal conduit larger than 2-inch size.
- R. Avoid moisture traps; install junction box with drain fitting at low points in conduit system.
- S. Install fittings to accommodate expansion and deflection where raceway crosses seismic and expansion joints.
- T. Install suitable pull string or cord in each empty raceway except sleeves and nipples.
- U. Install suitable caps to protect installed conduit against entrance of dirt and moisture.
- V. Close ends and unused openings in wireway.

3.13 INSTALLATION - BOXES:

- A. Contractor shall refer to Drawings, specifications, and submittals covering work of the other trades to coordinate outlet location. In the event of conflict between planned locations of outlet and other equipment or furnishing, Contractor shall not proceed until direction has been given by Architect.
- B. Unless otherwise specified or shown on Drawings, boxes shall be flush mounted with front edge of box or ring flush with wall or ceiling finish. Use steel plaster ring of appropriate depth in plastered or gypsum board applications. Contractor shall review architectural drawings and note wall and ceiling construction and finishes for each wall.
- C. Boxes shall not be installed back to back in walls. To prevent sound transfer, outlets, switches, etc. shown on opposing sides of the same wall shall be installed in separate stud spaces, except that outlets installed at different elevations may occupy the same stud space when box separation exceeds 18". Where these requirements cannot be met, Contractor shall provide insulation material between boxes.
- D. Orient boxes to accommodate wiring devices.
- E. Install wall mounted boxes at elevations to accommodate mounting heights as indicated on Drawings.
- F. Adjust box location up to 10 feet prior to rough-in to accommodate intended purpose.
- G. Orient boxes to accommodate wiring devices.
- H. Install pull boxes and junction boxes above accessible ceilings and in unfinished areas only.
- I. In Accessible Ceiling Areas: Install outlet and junction boxes no more than 6 inches from ceiling access panel or from removable recessed luminaire.
- J. Locate flush mounting box in masonry wall to require cutting of masonry unit corner only. Coordinate masonry cutting to achieve neat opening.
- K. Do not install flush mounting box back-to-back in walls; install with minimum 6 inches separation. Install with minimum 24 inches separation in acoustic rated walls.
- L. Secure flush mounting box to interior wall and partition studs. Accurately position to allow for surface finish thickness.
- M. Install stamped steel bridges to fasten flush mounting outlet box between studs.
- N. Install flush mounting box without damaging wall insulation or reducing its effectiveness.
- O. Install adjustable steel channel fasteners for hung ceiling outlet box.
- P. Do not fasten boxes to ceiling support wires or other piping systems.
- Q. Support boxes independently of conduit.
- R. Install gang box where more than one device is mounted together. Do not use sectional box.
- S. Install gang box with plaster ring for single device outlets.
- T. Junction box identification: All junction boxes located above suspended ceilings and below ceilings in non-public areas, shall be identified with permanent felt tip marker on cover indicating panel and circuit numbers. Black marker for normal branch power, Red marker for emergency branch power.

3.14 INSTALLATION - CIRCUIT BREAKERS IN EXISTING PANELBOARDS:

- A. Modifications to existing panelboards shall be as indicated on the Drawings. New equipment shall match existing where possible and in all cases be compatible with existing. Where new breakers are installed in existing equipment, provide all hardware and trim pieces as required for a complete closed installation. Provide new nameplates at equipment where existing breakers are identified by nameplates and provide new breaker identification in directory where existing breakers are identified in a directory.
 - B. Where new breakers are indicated to be installed in existing panel, but insufficient space exists, provide enclosed circuit breakers externally and tap existing bussing. Tap conduit and wire sizes shall be same as breaker line side conduit and wire.
- 3.15 TESTING AND ADJUSTING:
- A. Furnish all labor and test equipment required for the Work of this Division. Testing work is defined as that work necessary to establish that equipment has been properly assembled, connected, and checked to verify that intent and purpose of Drawings, manufacturer's instruction manuals, and directions of Architect have been accomplished in satisfactory manner.
 - B. Test each individual circuit at panel with equipment connected for proper operation.

END OF SECTION

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PROJECT

**SOLANO AUTO
TECH SECURITY
ENHANCEMENT**



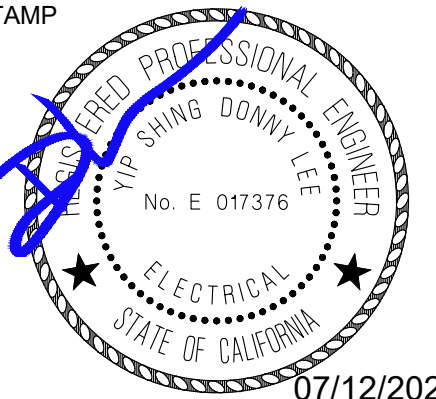
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Project Number J229 Contact Lali Vo

STAMP



REVISIONS

No.	Description	Date
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MILESTONES

DSA SUBMITTAL	04.01.2022
DSA BACK CHECK	07.20.2022

SHEET

**ELECTRICAL
SPECIFICATIONS**

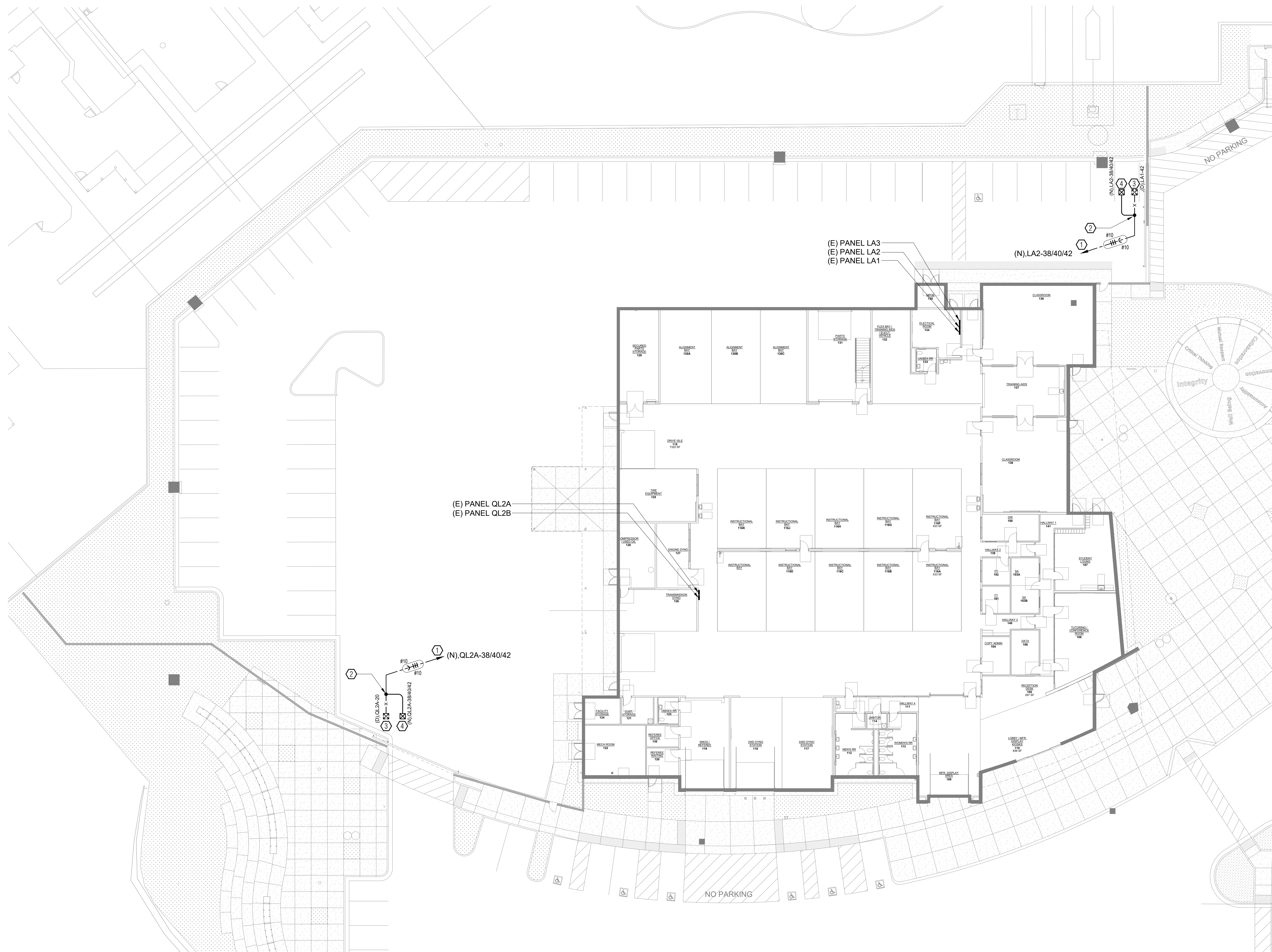
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JOB # 2021027

SHEET #

E0.04



SHEET NOTES

1. CIRCUITING OF DEVICES HAS THE PANEL PREPARED TO DISAGGREGATE LOADS AS REQUIRED BY 2013 TITLE 24 PART 6, SECTION 130.5(B). CONTRACTOR SHALL NOT DEVIATE FROM INSTALLING DEVICES ON CIRCUITS SHOWN WITHOUT NOTIFICATION TO ENGINEER HOW COMPLIANCE WILL BE ACHIEVED.
2. CIRCUITING OF (N) DEVICES TAKES INTO ACCOUNT VOLTAGE DROP. ALL (N) CIRCUITING SHOWN HAS A MAXIMUM 3% VOLTAGE DROP PER 2013 TITLE 24 PART 6, SECTION 130.5(C).
3. CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING DUCTS, PIPING OR CONDUITS, ETC. AND TO PREVENT HAZARDS TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN AND INSTALLED BY AN OTHER CONTRACT. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN OR DETAILED AND INSTALLED BY OTHER CONTRACTS. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE THE NECESSARY ELEMENTS FOR CONSTRUCTION SAFETY.
4. EXISTING UNDERGROUND UTILITIES ARE PRESENT, BUT THEIR EXACT LOCATION ARE NOT KNOWN. CONTRACTOR SHALL LOCATE AND PROTECT BEFORE TRENCHING OR EXCAVATING IN ANY AREA. CONSULT UTILITY COMPANIES, "AS-BUILT" DRAWINGS, AND SCHOOL MAINTENANCE PERSONNEL FOR LOCATION OF EXISTING UNDERGROUND WORK. IF EXISTING PIPING OR UTILITIES ARE DAMAGED DURING CONSTRUCTION, CONTRACTOR SHALL REPAIR IMMEDIATELY AT OWN EXPENSE. NEW UNDERGROUND SHALL BE MODIFIED AS NECESSARY TO CONFORM TO EXISTING CONDITIONS.
5. INFORMATION GIVEN, CONCERNING EXISTING ELECTRICAL INSTALLATION IS AS EXACT AS COULD BE SECURED, BUT EXTREME ACCURACY IS NOT GUARANTEED. CONTRACTOR SHALL VISIT THE JOB SITE PRIOR TO BIDS TO CONFIRM CONDITIONS UNDER WHICH THE WORK IS TO BE PERFORMED.

IDENTIFICATION STAMP
 DIV. OF THE STATE ARCHITECT
 APP: 02-119982 INC.
 REVIEWED FOR
 SS FLS ACS
 DATE: 07/20/2022

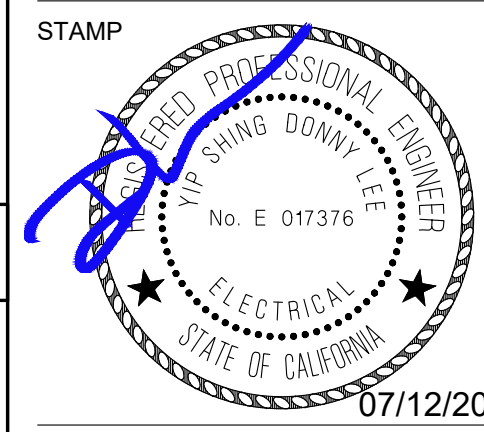
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PROJECT
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NUMBERED NOTES

- 1 (E) UNDERGROUND CONDUIT HOME-RUN TO REMAIN.
- 2 INTERCEPT AND EXTEND (E) CONDUIT AS REQUIRED. PULL IN (N) CONDUCTORS AS INDICATED.
- 3 DEMO (E) SLIDING GATE OPERATOR.
- 4 (N) SLIDING GATE OPERATOR, 208V, 3PH, 12.8A.

REVISIONS

No.	Description	Date
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MILESTONES
 DSA SUBMITTAL 04.01.2022
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SHEET
**OVERALL SITE
 PLAN -
 ELECTRICAL**

DSA# 02-119982

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JOB # 2021027

SHEET #

E1.01

1 OVERALL SITE PLAN - ELECTRICAL
 1/16" = 1'-0"

