

ACLC-NEA

PERIMETER FENCING & MODERNIZATION

1900 Third Street, Alameda, CA 94501

ALAMEDA UNIFIED SCHOOL DISTRICT

DSA FILE NO: 1-1

DSA APPLICATION NO: 01-119358

PTN: 61119-120

NOTES:
PROJECT IS EXEMPT FROM PATH OF TRAVEL REQUIREMENTS AND IS LIMITED TO THE WORK SHOWN ON THE PLANS UNDER CBC 11B-202.4 EXCEPTION 4.

A FINDING OF UNREASONABLE HARDSHIP DUE TO DISPROPORTIONATE COSTS HAS BEEN FOUND, EXEMPTING THE REQUIREMENT FOR LEVEL LANDINGS AT EACH DOOR RECEIVING SECURITY HARDWARE FROM THE SCOPE. SEE ARCHIVED FILES.

PROJECT TEAM

OWNER

Alameda Unified School District
2060 Challenger Drive
Alameda, CA 94501
Phone: 510-337-7000
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ARCHITECT

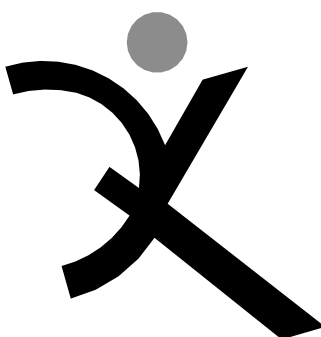
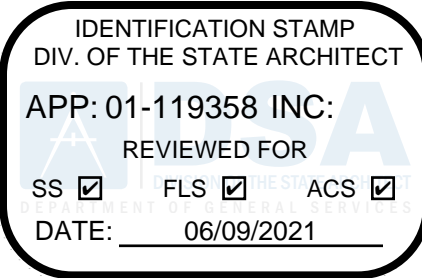
Quattrocchi Kwok Architects
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CIVIL ENGINEER

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ELECTRICAL ENGINEER

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QUATTROCCHI KWOK
ARCHITECTS
Main:
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SIGNED: MAY 25, 2021

ACLC-NEA

PERIMETER
FENCING &
MODERNIZATION

1900 Third Street
Alameda, CA 94501

ALAMEDA UNIFIED
SCHOOL DISTRICT

DSA APP NO. 01-119358

ARCH PROJECT NO: 1580.03

DRAWN BY: HM

DRAWING SCALE: N.T.S.

PTN: 61119-120 FILE NO: 1-1

CD

MAY 25, 2021

SHEET TITLE

COVER SHEET

SHEET NUMBER

G-0.1

AND	F	FACE	PC	PORTLAND CEMENT
ANGLE	FA	FIRE ALARM		
AT	FCO	FLOOR CLEAN OUT	P.C.F.	POUNDS PER CUBIC FOOT
CENTERLINE	FD	FLOOR DRAIN	PDA	POWER DRIVEN ANCHOR
FEET	FDN	FOUNDATION	PERF	PERFORATED
INCHES	FE	FIRE EXTINGUISHER	PH	PLATE HEIGHT
PENNY	FEC	FIRE EXTINGUISHER CABINET	PL	PLATE
#	FF	FINISH FLOOR	P/L	PROPERTY LINE
	FG	FINISH GRADE	PLAM	PLASTIC LAMINATE
AB	FGL	FIBERGLASS	PLAS	PLASTER/ PLASTIC
ABBREV	FH	FIRE HYDRANT	PLF	POUNDS PER LINEAL FOOT
AC	FHMS	FLAT HEAD MACHINE SCREW	PLYWD	PLYWOOD
A/C	FHS	FIRE HOSE STATION	P.O.C.	POINT OF CONTACT
ACC	FHWS	FLAT HEAD WOOD SCREW	PR	PAIR
ACOUS	FIN	FINISH	PRP	PROPERTY
AC T	FIXT	FIXTURE	PSF	POUNDS PER SQUARE FOOT
AD	FL	FLOOR LINE	PSI	POUNDS PER SQUARE INCH
ADJ	FLASH	FLASHING	PT	POINT
A.F.F.	FLUOR	FLUORESCENT	PTDF	PRESSURE TREATED
AGG	FLR	FLOOR		DOUGLAS FIR
ALUM	FM / FOM	FACE OF MASONRY	PTN	PARTITION
ANOD	FN	FACE NAIL	PTR	PAPER TOWEL RECEPACLE
APPROX	FOC	FACE OF CONCRETE	PVC	POLYVINYL CHLORIDE
ARCH	FOF	FACE OF FINISH	PVMT	PAVEMENT
ASPH	FOS	FACE OF STUD		
	FRMG	FRAMING	R	RISER
BD	FR	FIRE-RESISTANT	R / RAD	RADIUS
BITUM	FRP	FIBERGLASS REINFORCED	RD	ROOF DRAIN
BLDG		PANEL	REF	REFERENCE
BLK	FT	FEET	REFR	REFRIGERATOR
BLKG	FTG	FOOTING	REG	REGULAR
BM	FURR	FURRING	REQD	REQUIRED
BOT			REINF	REINFORCED
BO	GA	GAUGE	RH	ROOF HATCH
BRK	GALV	GALVANIZED	RHMS	ROUND HEAD MACHINE SCREW
BRG	GB	GRAB BAR	RHWS	ROUND HEAD WOOD SCREW
BTWN	GC	GENERAL CONTRACTOR	RM	ROOM
BU	GL	GALVANIZED IRON	RO	ROUGH OPENING
BUR	GL	GLASS GLAZING	RWL	RAIN WATER LEADER
	GLB	GLUE LAMINATED BEAM	RWD	REDWOOD
CAB	GND	GROUND		
CB	GR	GRADE	S	SOUTH
CBC	GYP BD	GYPSUM BOARD	S.A.D.	SEE ARCHITECTURAL DRAWINGS
CEM			S.A.V.D.	SEE AUDIOVIDEO DRAWINGS
CER	HB	HOSE BIBB	SC	SOLID CORE
CI	HC	HOLLOW CORE	S.C.D.	SEE CIVIL DRAWINGS
CIR	HDR	HEADER	SCHED	SCHEDULE
CJ	HDWD	HARDWOOD	SD	STORM DRAIN
CORR	HDWR	HARDWARE	SECT	SECTION
CL	HM	HOLLOW METAL	S.E.D.	SEE ELECTRICAL DRAWINGS
CLG	HOR	HORIZONTAL	SEP	SEPARATION
CLR	HP	HIGH POINT	S.F.P.D.	SEE FIRE PROTECTION DRAWINGS
CLS	HR	HOUR	SHGT	SHEATHING
CMU	HSS	HOLLOW STEEL SECTION	SIM	SIMILAR
CO	HT	HEIGHT	SL	SLIDING
COL	HTG	HEATING	S.L.D.	SEE LANDSCAPE DRAWINGS
COMB	HVAC	HEATING, VENTILATING,	SM	SHEET METAL
COMP		AIR-CONDITIONING	S.M.D.	SEE MECHANICAL DRAWING
CONC			SOV	SHUT OFF VALVE
CONN	ID	INSIDE DIAMETER	S.P.D.	SEE PLUMBING DRAWINGS
CONST	INSUL	INSULATION	SPEC	SPECIFICATION
CONT	INT	INTERIOR	SPKR	SPEAKER
CONTR	INTEG	INTEGRAL	SQ	SQUARE
CT	INTERMED	INTERMEDIATE	SS	STAINLESS STEEL
CTR	INV	INVERT	S.S.D.	SEE STRUCTURAL DRAWINGS
CTSK			S.T.H.D.	SEE THEATER DRAWINGS
CUST	JH	JOIST HANGER	STA	STATION
CW	JST	JOIST	STD	STANDARD
	JT	JOINT	STL	STEEL
DBL			STOR	STORAGE
DEPT	KIT	KITCHEN	STRUCT	STRUCTURAL
DET	KP	KICK PLATE	SUSP	SUSPENDED
DF			SYM	SYMMETRICAL
DG	LAB	LABORATORY		
	LAM	LAMINATE	T	TREAD
DI	LAV	LAVATORY	T&B	TOP & BOTTOM
DIA	LL	LIVE LOAD	T&C	TOP OF CURB
DIAG	LP	LOW POINT	TEL	TELEPHONE
DIM	LT	LIGHT	TER	TERRAZZO
DISP			T&G	TONGUE & GROOVE
DIV	MAT	MATERIAL	TH	THICK
DN	MAX	MAXIMUM	THRU	THROUGH
DO	MB	MACHINE BOLT	TJ	TOOL JOINT
DIR	MC	MEDICINE CABINET	TN	TOE NAIL
DR	MECH	MECHANICAL	T.O.D.	TOP OF DECK
DS	MED	MEDIUM	T.O.P.	TOP OF PLATE
DSA	MEMB	MEMBRANE	T.O.R.	TOP OF ROOF
DSP	MFR	MANUFACTURER	T.O.W.	TOP OF WALL
DT	MH	MANHOLE	T.P.	TOP OF PAVEMENT
DW	MIN	MINIMUM	TRN	TRANSOM
DISH	MIR	MIRROR	TRANS	TRANSPARENT
DWG	MISC	MISCELLANEOUS	TS	TUBE STEEL
DWR	MO	MASONRY OPENING	TUB	TUBULAR
	MOD	MODULAR	TV	TELEVISION
E	MR	MOISTURE RESISTANT	TW	TACKWALL
(E)	MTO	MOUNTED	TY	TYPICAL
EA	MTL	METAL	UNF	UNFINISHED
EB	MUL	MULLION	U.O.N.	UNLESS OTHERWISE NOTED
EE			UR	URNAL
EF	N	NORTH	UTIL	UTILITY
EJ	(N)	NEW		
EL	NAT	NATURAL	VB	VAPOR BARRIER
ELEC	N.I.C.	NOT IN CONTRACT	VCT	VINYL COMPOSITION TILE
ELEV	NUMBER	NUMBER	VERT	VERTICAL
EMER	NOM	NOMINAL	VEST	VESTIBULE
EMT	N.T.S.	NOT TO SCALE	V.I.F.	VERIFY IN FIELD

ALL NOTES AND SYMBOLS ARE INTENDED TO APPLY AT ALL OTHER LOCATIONS OF SIMILAR GRAPHIC REPRESENTATION. SUCH INDICATIONS MAY BE LIMITED TO PROMOTE CLARITY. NO LIMITATION OF APPLICATION IS INTENDED EXCEPT AS SPECIFICALLY NOTED.

COLUMN GRIDS A AND 1 IN BUILDING A

6'-0"

6'-0"

6'-0"

12'-0"

RELATIVE ELEVATION DIMENSION

DOOR A IN ROOM NUMBER 101 IN BUILDING B
ACCESSIBLE CLEARANCES SHOWN DASHED

SEE

WINDOW NUMBER 03

DETAIL NUMBER 11 ON SHEET NUMBER A-9,12

SECTION NUMBER 3 ON SHEET NUMBER A-B6.2

ELEVATION NUMBER 2 ON SHEET NUMBER A-B5.3

CLASSROOM

A204	ROOM NAME
F-4	ROOM NUMBER 204 IN BUILDING A
A-A7.6	FLOOR FINISH CODE F-4
	INTERIOR ELEVATION SHOWN ON SHEET A-A7.6

CLASSROOM

A204	ROOM NAME
CL-6	ROOM NUMBER 204 IN BUILDING A
10'-0"	CEILING FINISH CODE CL-6
	FINISH CEILING HEIGHT 10'-0"

KEYNOTE NUMBER 33

ALL WORK IS SHOWN, DESCRIBED OR SPECIFIED IN THE DRAWINGS INDEXED ON THIS PAGE OR IN THE SPECIFICATIONS.

ALL WORK NOT INDICATED AS EXISTING (E) IS NEW.

2. ALL FRAMING DIMENSIONS ARE TO FACE OF STUD UNLESS NOTED OTHERWISE.
 •DO NOT SCALE DRAWINGS.
 •VERIFY ALL DIMENSIONS WHERE WORK INVOLVES FRAMING FOR WINDOWS, DOORS, OR CABINETS.

3. ONLY WORK SO NOTED IS NOT IN CONTRACT (N.I.C.) ALL N.I.C. ITEMS ARE NOT PART OF DSA APPROVAL

4. GOVERNING CODES: A COPY OF TITLE 24 PARTS 1-5 SHALL BE KEPT ON THE JOB AT ALL TIMES.
 CALIFORNIA CODE OF REGULATIONS TITLE 24 BUILDING STANDARDS CODE:
 PART 1 2019 CALIFORNIA ADMINISTRATIVE CODE (CAC), PART 1, TITLE 24 CCR
 PART 2 2019 CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 CCR
 (2018 INTERNATIONAL BUILDING CODE, VOL. 1 & 2, AND 2016 CALIFORNIA AMENDMENTS)
 PART 3 2019 CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 CCR
 (2017 NATIONAL ELECTRICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
 PART 4 2019 CALIFORNIA MECHANICAL CODE (CMC), PART 4, TITLE 24 CCR
 (2018 IAPMO UNIFORM MECHANICAL CODE AND 2016 CALIFORNIA AMENDMENTS)
 PART 5 2019 CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 CCR
 (2019 IAPMO UNIFORM PLUMBING CODE AND 2016 CALIFORNIA AMENDMENTS)
 PART 6 2019 CALIFORNIA ENERGY CODE (CEC), PART 6, TITLE 24 CCR
 PART 9 2019 CALIFORNIA FIRE CODE (CFC), PART 9, TITLE 24 CCR
 (2018 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
 PART 10 2019 CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
 (2018 INTERNATIONAL EXISTING BUILDING CODE AND 2016 CALIFORNIA AMENDMENTS)
 PART 11 2019 CALIFORNIA GREEN BUILDING STANDARDS CODE (CAL-GREEN), PART 11, TITLE 24 CCR
 PART 12 2019 CALIFORNIA REFERENCED STANDARDS CODE, PART 12, TITLE 24 CCR
 TITLE 19 CCR, PUBLIC SAFETY CODE, STATE FIRE MARSHAL REGULATIONS
 2010 ADA STANDARDS FOR ACCESSIBILITY DESIGN
 2016 ASME A17.1-16/CSA B44-16 SAFETY CODE FOR ELEVATORS AND ESCALATORS

5. STANDARD AND GUIDES:
 NFPA 13 INSTALLATION OF FIRE SPRINKLER SYSTEMS (CA AMENDED) 2016 EDITION
 NFPA 14 INSTALLATION OF STANDPIPE AND HOSE SYSTEMS 2016 EDITION
 NFPA 17 DRY CHEMICAL EXTINGUISHING SYSTEMS 2017 EDITION
 NFPA 17A WET CHEMICAL FIRE EXTINGUISHING SYSTEMS 2017 EDITION
 NFPA 20 INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION 2016 EDITION
 NFPA 24 STANDARD FOR THE INSTALLATION OF PRIVATE FIRE SERVICE MAINS AND THEIR APPURTEANCES 2016 EDITION
 NFPA 25 CALIFORNIA EDITION - TESTING, MAINTENANCE OF WATER-BASED FIRE PROTECTION SYSTEMS 2013 EDITION
 NFPA 72 NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED) 2016 EDITION
 NFPA 80 STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES 2016 EDITION
 NFPA 110 ELEVATOR AND STAIR PLUMBING SYSTEMS 2016 EDITION
 NFPA 170 STANDARD FOR FIRE SAFETY AND EMERGENCY SYMBOLS 2018 EDITION
 NFPA 2001 STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS 2015 EDITION

UL 300 STANDARD FOR FIRE TESTING OF FIRE EXTINGUISHING SYSTEMS FOR PROTECTION OF COMMERCIAL COOKING EQUIPMENT 2005 (R2010)
 UL 464 AUDIBLE SIGNALING DEVICES FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES 2003 EDITION
 UL 521 STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS 1999 EDITION
 UL 1971 STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED 2002 EDITION
 UL 2034 STANDARD FOR SINGLE AND MULTIPLE CARBON MONOXIDE ALARMS 2017 EDITION

ICC 300 STANDARD FOR BLEACHERS, FOLDING AND TELESCOPIC SEATING, AND GRANDSTANDS 2017 EDITION

6. IN ACCORDANCE WITH TITLE 24 PART 1 CHAPTER 4: THE ADMINISTRATIVE REGULATIONS FOR THE DIVISION OF THE STATE ARCHITECT STRUCTURAL SAFETY (DS/SS)
 •4-331 DSA SHALL BE NOTIFIED AT THE START OF CONSTRUCTION.
 •4-332 WHEN CONSTRUCTION IS SUSPENDED FOR MORE THAN ONE MONTH, THE PROJECT INSPECTOR SHALL INFORM DSA
 •4-333(a) OBSERVATION OF THE WORK SHALL BE BY ARCHITECT OR REGISTERED ENGINEER.
 •4-333(b) THE DISTRICT MUST PROVIDE AND PAY FOR PROJECT INSPECTOR.
 •4-334 SUPERVISION OF CONSTRUCTION BY DSA SHALL BE IN ACCORDANCE WITH THIS SECTION.
 •4-335 STRUCTURAL TESTS AND INSPECTION ARE REQUIRED IN ACCORDANCE WITH THIS SECTION. TESTS OF MATERIALS AND TESTS SHALL BE IN ACCORDANCE WITH SECTION 4-335 AND THE DISTRICT SHALL EMPLOY AND PAY THE LAB. COSTS OF RE-TEST MAY BE BACKCHARGED TO THE CONTRACTOR. ALL TESTS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 4-335 AND APPROVED T & SHEET (DSA-103)
 •4-336 VERIFIED REPORTS SHALL BE SUBMITTED BY CONTRACTORS (DSA 006-C), INSPECTORS (DSA 006-PI), ARCHITECTS AND ENGINEERS (DSA 006-AE) IN ACCORDANCE WITH SECTIONS 4-336 AND 4-343.
 •4-337 SEMI-MONTHLY REPORTS SHALL BE SUBMITTED BY INSPECTORS (DSA -155), IN ACCORDANCE WITH SECTIONS 4-337
 •4-338 WORK SHALL BE EXECUTED IN ACCORDANCE WITH THE APPROVED PLANS, ADDENDA AND CONSTRUCTION DOCUMENTS. CHANGES IN THE APPROVED PLANS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENTS STAMPED AND SIGNED BY THE ARCHITECT OR REGISTERED ENGINEER. CHANGES SHALL BE IN ACCORDANCE WITH SECTION 4-333 THE DUTY OF THE INSPECTOR SHALL BE TO APPROVED BY DSA PRIOR TO COMMENCEMENT OF WORK.
 •4-341(a) THE ARCHITECT AND THE REGISTERED ENGINEER SHALL PERFORM THEIR DUTIES IN ACCORDANCE WITH SECTIONS 4-333(a) AND 4-341.
 •4-341(d) INSPECTOR SHALL BE APPROVED BY DSA.
 •4-342 INSPECTION SHALL BE IN ACCORDANCE WITH SECTION 4-333 THE DUTY OF THE INSPECTOR SHALL BE IN ACCORDANCE WITH THIS SECTION.
 •4-343 THE CONTRACTOR SHALL PERFORM HIS DUTIES IN ACCORDANCE WITH THIS SECTION.

7. THE INTENT OF THE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, C.C.R. SHOULD ANY EXISTING CONDITIONS BE DISCOVERED WHICH ARE NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH SAID TITLE 24 C.C.R. A CONSTRUCTION CHANGE DOCUMENT DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK. (TITLE 24 PART 1, SECTION 4-338(c))

8. COMPLIANCE WITH CFC CHAPTER 33, FIRE SAFETY DURING CONSTRUCTION AND DEMOLITION AND CBC CHAPTER 33, SAFETY DURING CONSTRUCTION SHALL BE ENFORCED.

9. EMERGENCY VEHICLE ACCESS ROADS AND ON-SITE FIRE HYDRANTS SHALL BE IN SERVICE AND OPERABLE PRIOR TO LOADING THE SITE WITH COMBUSTIBLE MATERIALS.

10. GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD AND ACCESS REQUIREMENTS, AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH APPLICABLE LOCAL ORDINANCES.

3. SHEETS

GENERAL	
G-0.1	COVER SHEET
G-0.2	ABBREVIATIONS AND NOTES
G-0.3	ACCESS AND EGRESS CAMPUS PLAN
CIVIL	
C0	ABBREVIATIONS, LEGEND & NOTES
C1	DEMOLITION PLAN
C2	GRADING PLAN NORTHEAST
C3	GRADING PLAN SOUTHEAST
C4	GRADING PLAN SOUTHWEST
C5	PAVEMENT STRUCTURAL SECTION, LAYOUT & EROSION CONTROL PLAN
C6	DETAIL
SITE PLANS	
A-1.0	DEMOLITION SITE PLAN
A-1.1	CAMPUS SITE PLAN
A-1.2	ENLARGED PLANS
A-1.3	SITE DETAILS
FLOOR PLANS	
A-A2.1	FLOOR PLAN
SCHEDULES	
A-8.1	DOOR AND GATE SCHEDULE
ELECTRICAL	
E-0.1	SYMBOLS LIST, GENERAL NOTES & LIST OF DRAWINGS
E-1.2	SITE PLAN - LIGHTING
FE-0.1	FIRE ALARM EQUIPMENT LIST, NOTES & DIAGRAMS
FE-1.1	SITE PLAN - FIRE ALARM
FE-3.1	FLOOR PLAN - FIRE ALARM
FE-5.1	RISER DIAGRAM - FIRE ALARM
FE-6.1	CALCULATIONS - FIRE ALARM

NEW SITE SECURITY FENCING, STRIPING AT NORTH PARKING, AND MODERNIZATION OF FIRE ALARM AND DOOR HARDWARE AT EXISTING BUILDINGS.

NONE

Statement of General Conformance
BY ARCHITECT UTILIZING PLANS (INCLUDING BUT NOT LIMITED TO
SHOP DRAWINGS) PREPARED BY OTHER LICENSED DESIGN
PROFESSIONALS AND/OR CONSULTANTS

DSA Application No 01-119358 File No 1-1

These drawings (marked Civil, Structural, Electrical, and Fire Alarm) and/or specifications and/or calculations for the items listed, have been prepared by other design professionals or consultants who are licensed and/or authorized to prepare such drawings in this state. It has been examined by me for:

1) design intent and appears to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications prepared by me, and

2) coordination with my plans and specifications and is acceptable for incorporation into the construction of this project.

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

Signature _____ Date 5/27/2021

Architect or Engineer designated to be in general responsible charge

Mark Quattrocchi	C15438	July 31, 2022
Print Name	License Number	Expiration Date

CODE CYCLE	BUILDING	OCCUPANCY	CONSTRUCTION TYPE	BASIC ALLOWABLE AREA (square feet)	ACTUAL AREA (square feet)	MAX STORIES	ACTUAL STORIES
EXISTING BUILDINGS BELOW HAVE NO CHANGE IN USE, BUILDING SQUARE FOOTAGE, OCCUPANCY CLASSIFICATION, TYPE OF CONSTRUCTION, BUILDING AREA OR NUMBER OF STORIES. EXISTING BUILDINGS BELOW MAINTAIN THEIR PREVIOUSLY APPROVED BUILDING CODE ANALYSIS.							
1998 CBC	A	E-1	V-N	8,000 SF	5,200 SF	ONE	ONE
1998 CBC	B	E-1	V-N	9,100 SF	2,970 SF	ONE	ONE
1998 CBC	C	A-3	V-1	6,000 SF	4,000 SF	ONE	ONE
1998 CBC	D	E-1	V-N	9,100 SF	1,690 SF	ONE	ONE
1998 CBC	E	E-1	V-N	9,100 SF	685 SF	ONE	ONE
1998 CBC	F	E-1	V-N	9,100 SF	4,353 SF	ONE	ONE
1998 CBC	G	E-1	V-N	9,100 SF	4,353 SF	ONE	ONE
1998 CBC	H	E-1	V-N	9,100 SF	4,353 SF	ONE	ONE
1998 CBC	I	E-1	V-N	9,100 SF	6,384 SF	ONE	ONE
2013 CBC	P-1 - P-7	E + B	V-B	9,000 SF	6,240 SF	ONE	ONE
1998 CBC	R-1	E-1	V-N	9,100 SF	1,920 SF	ONE	ONE



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1900 Third Street
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ALAMEDA UNIFIED
SCHOOL DISTRICT[illegible]

DSA APP NO. 01-119358

ARCH PROJECT NO: 1580.03

DRAWN BY: HM

DRAWING SCALE: N.T.S.

CD

MAY 25, 2021

ABBREVIATIONS AND NOTES

SHEET NUMBER _____

G-0.2

CBC SECTION 11B-208.2 & TABLE 11B-208.2
25 PARKING SPACES: 1 ACCESSIBLE SPACES REQUIRED

AB	AGGREGATE BASE	AB	MIN	MANHOLE
ABAN	ABANDONED	ABN	MINIMUM	
ACC	ACRYLONITRILE-BUTADIENE-STYRENE	MISC	MISCELLANEOUS	
ACS	ASPHALT CONCRETE	MJ	MECHANICAL JOINT	
ASB	ASBESTOS CEMENT PIPE	MON	MONUMENT	
AD	ALGEBRAIC DIFFERENCE	MSL	MEAN SEA LEVEL	
ADA	AMERICANS WITH DISABILITIES ACT	NG	NORTH	
ADP	ADAPTER	NR	NATURAL GROUND	
AGG	AGGREGATE	NO	NUMBER	
ALUM	ALUMINUM	NA	NOT APPLICABLE	
AN	ANGLE	NIC	NOT IN CONTRACT	
AP	ANGLE POINT	NIP	NATIONAL PIPE THREAD	
APN	ASSESSORS PARCEL NUMBER	OC	ON CENTER	
APPROX	APPROXIMATE	OD	OUTSIDE DIAMETER	
ARV	AIR RELEASE VALVE	OE	OVERHEAD	
AVE	AVENUE	OZ	OUNCE	
AVG	AVERAGE	PA	PLANTER AREA	
BC	BEGIN HORIZONTAL CURVE	PB	PULL BOX	
BCF	BACKFLOW PREVENTER	PC	POINT OF CURVATURE	
BLD	BUILDING	PCC	POINT OF COMPOUND CURVATURE	
BLVD	BOULEVARD	PCC	PORTLAND CEMENT CONCRETE	
BM	BENCHMARK	PCT	PLANTED DRAIN	
BO	BLOWOFF	PE	PLAIN END	
BOC	BACK OF CURB	PEC	PHOTOELECTRIC CELL	
BV	BUTTERFLY VALVE	PEF	PEDESTRIAN	
CB	BEGIN VERTICAL CURVE	PG	PAD GRADE	
BSW	BACK OF SIDEWALK	PI	POINT OF INTERSECTION	
BT	BOTTOM OF TAPER	PV	POST INDICATOR VALVE	
CB	CREELE & RACE	PN	PROPERTY LINE	
C	CONDUIT	PP	PAVING NOTE	
CAV	COMBINATION AIR AND	PCC	POINT OF CONNECTION	
CB	VACUUM RELEASE VALVE	PCC	POINT ON CURVE	
CBC	CATCH BASIN	PCC	POINT OF COMPOUND CURVE	
CDF	CALIFORNIA BUILDING CODE	PVC	POINT ON VERTICAL CURVE	
CHK	CONTROLLED DENSITY FILL	POS	PRIVATE OPEN SPACE	
CIP	CAST IRON PIPE	POS	POINT ON TANGENT	
CIPP	CAST-IN-PLACE PIPE	PRC	POWER POLE	
C	CENTERLINE	PRC	POINT OF REVERSE CURVATURE	
CL	CLASS	PSV	PRESSURE REDUCING VALVE	
CLM	CLEAR	PSD	PERFORM SUBDRAIN	
CMP	CORRUGATED METAL PIPE	PSI	POUND PER SQUARE INCH	
CMR	CORRUGATED STEEL PIPE ARCH	PT	POINT	
CMU	CONCRETE MASONRY UNIT	PT	POINT OF TANGENCY	
CO	CLEANOUT	PUE	PUBLIC UTILITY EASEMENT	
COA	COAXIAL CABLE	PVC	POINT OF VERTICAL INTERSECTION	
CONC	CONCRETE	PWT	PAVEMENT	
CONC	CONCRETE	PWT	PUBLIC WATER EASEMENT	
CONST	CONSTRUCTION	R	RADIUS	
COTG	CLEANOUT TO GRADE	RAW	RAW WATER	
CP	CONTROL POINT	RC	RELATIVE COMPACTION	
CR	CURB RETURN	RCB	REINFORCED CONCRETE BOX	
CSP	CORRUGATED STEEL PIPE	RCP	REINFORCED CONCRETE PIPE	
CT	COURT	RD	ROAD	
CTB	CEMENT TREATED BASE	RD	ROAD DRAIN	
CTR	CENTER	RED	REDUCER	
CY	CUBIC YARD	REF	REFERENCE	
C/C	CENTER TO CENTER	RFP	RIGHT OF WAY	
CU	CURB AND GUTTER	RWB	REDUCED PRESSURE	
DBL	DOUBLE	RPM	BACKFLOW PREVENTER	
DDC	DOUBLE CHECK DETECTOR CHECK	RT	RAISED PAVEMENT MARKER	
DCD	DOUBLE CHECK VALVE	RT	REMOTE SUPERVISORY CONTROL	
DDO	DOUBLE DETECTOR CHECK	RT	RIGHT	
DET	DETECTOR	R/T	RIGHT TIGHT	
DH	DETECTOR HANDHOLE	R/W	RECYCLED WATER	
DI	DROP INLET	RWL	RAIN WATER LEADER	
DIA	DIAMETER	R/W	RIGHT OF WAY	
DIP	DUCTILE IRON PIPE	S	SOUTH	
DLC	DETECTOR LOOP CONDUIT	S.A.D.	SLOPE	
DR	DRIVE	SCADA	SEE ARCHITECTURAL DRAWINGS	
DS	DOWNSPOUT	SCA	SUPERVISORY CONTROL AND DATA ACQUISITION	
DSW	DOWNSIDE	SCH	SCHEDULE	
DWG	DRAWING	SD	STORM DRAIN	
DWR	DASHED WHITE PAVEMENT MARKER	SDC	STORM DRAIN CATCH BASIN	
DWY	DRIVEWAY	SDO	STORM DRAIN CLEANOUT	
DY	DOUBLE YELLOW	SDDI	STORM DRAIN DRAIN INLET	
DYR	DASHED YELLOW RAISED PAVEMENT MARKER	SDI	STORM DRAIN EASEMENT	
E	EAST	SDMH	STORM DRAIN MANHOLE	
EA	EACH	SE	SEWER EASEMENT	
EC	END HORIZONTAL CURVE	S.E.D.	SEE ELECTRICAL DRAWINGS	
ECC	ECCENTRIC	SE	SQUARE FEET	
EFPL	EFFLUENT (SEWER)	SG	SUBGRADE	
EL	EXISTING GROUND	SG	SIGNAL	
ELC	ELEVATION	S.L.	STREET LIGHT	
ELLEC	ELECTRICAL	SOF	SEE LANDSCAPE DRAWINGS	
EL	ELBOW	SO	SLIP ON FLANGE	
EP	EDGE OF PAVEMENT	SO	SIDE OPENING (SD)	
EQ	EQUAL	SPL	SEE PLUMBING DRAWINGS	
ESMT	EASEMENT	SQ	SPECIFICATION	
EV	END VERTICAL CURVE	SS	SQUARE	
EW	EACH WAY	SS	STAINLESS STEEL	
EX	EXISTING	SSC	SANITARY SEWER	
EX	FIRE ALARM	SSCO	SANITARY SEWER CLEANOUT	
FC	FACE OF CURB	S.S.D.	SEE STRUCTURAL DRAWINGS	
FCA	FLANGED COUPLING ADAPTER	SSMH	SANITARY SEWER MANHOLE	
FDC	FIRE DEPARTMENT CONNECTION	STD	STATION	
FE	FLARED END SECTION	STD	STANDARD	
FF	FINISHED FLOOR	STL	STEEL	
FG	FINISHED GRADE	SV	SERVICE	
FH	FIRE HYDRANT	SW	SIDEWALK EASEMENT	
FL	FLOWLINE	SY	SQUARE YARDS	
FLG	FLANGE	SWL	SIDEWALK	
FLS	FLOWLINE OF SIDE OPENING	SWL	SOLID WHITE LINE	
FLEX	FLEXIBLE	T	TANGENT	
FM	FORCE MAIN (PRESSURE)	TAN	TANGENT	
FRP	FIBERGLASS REINFORCED PLASTIC	TB	TOP OF BOX	
FT	FOOTING	TBM	TEMPOR	

LINES		
BOUNDARY.....	_____	
PARCEL.....	_____	
CENTER.....	_____	
EASEMENT.....	_____	
UTILITY LINES	EXISTING	PROPOSED
STORM DRAIN.....		
WATER.....		
SEWER.....		
GAS.....		
ELECTRICAL.....		
TELEPHONE.....		
TELEVISION.....		
JOINT TRENCH.....		
TOPOGRAPHY		
DROP INLET.....		
DROP INLET WITH SIDE OPENINGS.....		
WATER METER.....		
WATER VALVE.....		
BLOWOFF.....		
FIRE HYDRANT.....		
THRUST BLOCK.....		
GAS METER.....		
STORM DRAIN MANHOLE.....		
STORM DRAIN CATCH BASIN.....		
SEWER MANHOLE.....		
SEWER CLEANOUT.....		
JOINT POLE.....		
LIGHT STANDARD.....		
GUY/ANCHOR.....		
CURB & GUTTER.....		
AC DIKE.....		
FENCE.....		
CHAIN LINK FENCE.....		
DITCH/SWALE.....		
MONUMENT.....		
TREE PROTECTION.....		
TREE TO BE SAVED.....		
TREE TO BE REMOVED.....		

FEMA INFORMATION

THE APPLICABLE FIRM FOR THIS SITE IS PANEL NO. 06001C0068H, DATED 12/21/18.

MAJORITY THIS SITE IS LOCATED IN ZONE X (NO HATCH) DESIGNATED AS AN AREA OF MINIMAL FLOOD HAZARD. A SMALLER PORTION OF THE SITE IS LOCATED IN ZONE X (ORANGE HATCH) DESIGNATED AS AN AREA WITH 0.2% ANNUAL CHANCE FLOOD HAZARD.

1. ANY DISCREPANCY DISCOVERED BY CONTRACTOR IN THESE PLANS OR ANY FIELD CONDITIONS DISCOVERED BY CONTRACTOR THAT MAY DELAY OR OBSTRUCT THE PROPER COMPLETION OF THE WORK PER THESE PLANS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER AND THE OWNER IMMEDIATELY UPON DISCOVERY. SAID NOTIFICATION SHALL BE IN WRITING.
2. ALL MATERIAL WORKSMANSHIP AND CONSTRUCTION SHALL CONFORM TO THE PROJECT SPECIFICATIONS, THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS AND STANDARD PLANS, LATEST EDITION, AND THE STANDARD SPECIFICATIONS OF THE CITY OF ALAMEDA AND COUNTY OF ALAMEDA, LATEST EDITION, EXCEPT AS NOTED ON THE PLANS.
3. CONTRACTOR SHALL OBTAIN ALL NECESSARILY REQUIRED PERMITS AND PAY ALL FEES PRIOR TO COMMENCEMENT OF ANY WORK. ALL COSTS ASSOCIATED WITH OBTAINING PERMITS SHALL BE INCLUDED IN THE CONTRACT BID PRICE.
4. AN ENCROACHMENT PERMIT MUST BE OBTAINED FROM THE DEPARTMENT OF PUBLIC WORKS, PRIOR TO BEGINNING ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
5. CONTRACTOR SHALL OBTAIN A DE-WATERING PERMIT FROM THE BAY AREA REGIONAL WATER QUALITY CONTROL BOARD FOR ANY DE-WATERING OPERATIONS THAT ARE USED TO MANAGE THE REMOVAL OF GROUND WATER FROM EXCAVATIONS WITH THE INTENT OF DOWNSTREAM DISCHARGE TO THE WATERS OF THE STATE OR THE STORM DRAIN SYSTEM. WHEN GROUNDWATER IS TO BE DISCHARGED INTO THE SEWER, APPROVAL MUST BE OBTAINED FROM EAST BAY MUNICIPAL UTILITY DISTRICT (EBMUD).
6. CONTRACTOR SHALL SECURE A TRENCH PERMIT FROM THE CALIFORNIA DIVISION OF INDUSTRIAL SAFETY PRIOR TO EXCAVATION OF ANY TRENCH OVER FIVE FEET IN DEPTH.
7. GRADE BREAKS ON CURBS AND SIDEWALKS SHALL BE ROUNDED OFF IN FORMS AND SURFACE FINISHING.
8. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, GENERAL CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO HOLD NEARBY INDIVIDUALS AND STANDARDS THE OWNER, THE ENGINEER AND HIS CONSULTANTS, AND THE ALAMEDA UNIFIED SCHOOL DISTRICT, AND EACH OF THEIR OFFICERS, EMPLOYEES AND AGENTS.
9. CONTRACTOR SHALL INDEPENDENTLY REVIEW GROUND, TOPOGRAPHY, AND TREE CONDITIONS THROUGHTOUT THE SITE, AND ASSUME WHOLLY AND UNCONDITIONALLY THE RISK OF COMPLETING THE WORK SET OUT ON THESE PLANS, REGARDLESS OF ROCK, WATER TABLE, OR OTHER CONDITIONS WHICH CONTRACTOR MAY ENCOUNTER IN THE COURSE OF THE WORK.
10. EXCEPT AS SPECIFICALLY NOTED OTHERWISE ON THE PLANS, ANY EXCESS MATERIALS SHALL BE CONSIDERED THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE JOB SITE IN ACCORDANCE WITH APPLICABLE LOCAL, STATE AND FEDERAL REGULATIONS, PROVIDE GRADING PERMIT OR LETTER OF ACCEPTING MATERIAL BY PROPERTY OWNER PRIOR TO OBTAINING BUILDING PERMIT FOR ANY EXPORT MATERIALS.
11. AT ALL TIMES DURING CONSTRUCTION AND UNTIL FINAL COMPLETION, THE CONTRACTOR, AND HIS SUBCONTRACTORS, SHALL PREVENT ANY DUST NUISANCE BY WATERING AND/OR TREATING THE SITE WITH AN APPROVED DUST CONTROL PALLIATIVE.
12. DURING CONSTRUCTION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTROLLING NOISE, ODORS, DUST AND DEBRIS TO MINIMIZE IMPACTS ON SURROUNDING ROADWAYS AND PROPERTIES.
13. CONTRACTOR SHALL BE RESPONSIBLE THAT ALL CONSTRUCTION EQUIPMENT IS EQUIPPED WITH MANUFACTURER APPROVED MUFFLERS/BAFFLES.
14. ALL CONSTRUCTION VEHICLES SHALL ADHERE TO THE CITY OF ALAMEDA TRUCK ROUTES.
15. CONSTRUCTION STAKING SHALL BE EXECUTED BY A CIVIL ENGINEER OR LAND SURVEYOR REGISTERED IN THE STATE OF CALIFORNIA, RETAINED BY THE CONTRACTOR.
16. PERMANENT MONUMENTS DISTURBED DURING THE PROCESS OF CONSTRUCTION SHALL BE RESET BY A LICENSED LAND SURVEYOR AT THE CONTRACTORS EXPENSE BEFORE ACCEPTANCE OF THE IMPROVEMENTS BY THE ENGINEER.
17. SHOULD IT APPEAR TO THE CONTRACTOR THAT THE WORK OUTLINED ON THESE PLANS IS NOT SUFFICIENTLY DETAILED OR SPECIFIED IN THE CONSTRUCTION DOCUMENTS, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OR CIVIL DESIGN ENGINEER, BEFORE AND RACE CONSULTING CIVIL ENGINEERS AT (707) 576-1322, BEFORE PROCEEDING WITH THE WORK IN QUESTION AND REQUEST CLARIFICATION.
18. WHEN SPECIFICATIONS OR STANDARDS FROM DIFFERENT AUTHORITIES DIFFER FOR THE SAME OBJECT, NOTIFY THE OWNER AND REQUEST CLARIFICATION.
19. CHAPTER 33 OF THE UFC SHALL BE FOLLOWED FOR AREAS UNDER CONSTRUCTION. CONTACT THE LOCAL FIRE AUTHORITY FOR SPECIFIC REQUIREMENTS FOR BUILDINGS UNDER CONSTRUCTION.
20. THE CONTRACTOR SHALL BE AWARE THAT DEWATERING ACTIVITIES SHALL COMPLY WITH THE CONDITIONS OF THE BAY AREA REGIONAL WATER QUALITY CONTROL BOARD GENERAL PERMIT FOR CONSTRUCTION SITES.

1. NO GUARANTEE IS INTENDED THAT UNDERGROUND OBSTRUCTIONS, NOT SHOWN ON THESE PLANS, MAY BE ENCOUNTERED. THOSE SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE AND THE CONTRACTOR IS CAUTIONED THAT THE OWNER, THE ENGINEERS AND THE ARCHITECT ASSUME NO RESPONSIBILITY FOR ANY (800) UTILITIES EITHER SHOWN OR NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY COMPANIES WORKING WITHIN THE LIMITS OF THIS PROJECT.
2. CONTRACTOR SHALL NOT BEGIN EXCAVATION UNTIL ALL EXISTING UTILITIES HAVE BEEN MARKED IN THE FIELD BY THE APPLICABLE ENTITY RESPONSIBLE FOR THAT PARTICULAR UTILITY. THE CONTRACTOR SHALL NOTIFY EACH APPLICABLE ENTITY AT LEAST 48 HOURS BEFORE STARTING WORK.
3. UNDERGROUND SERVICE ALERT: CALL TOLL FREE (800) 642-2444 AT LEAST 48 HOURS PRIOR TO EXCAVATION.

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE WORK WITH THE GEOTECHNICAL ENGINEER. ALL GRADING SHALL BE PERFORMED TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
2. GEOTECHNICAL ENGINEER SHALL BE CONSULTED FOR TESTING OF PAVING SUBGRADE RETAINED BY THE DISTRICT.
3. AREAS TO BE GRADED SHOULD BE STRIPPED OF THE UPPER TWO TO FOUR INCHES OF SOIL CONTAINING ORGANIC MATTER. SOIL CONTAINING MORE THAN TWO PERCENT BY WEIGHT OF ORGANIC MATTER SHOULD BE CONSIDERED ORGANIC. THE STRIPPINGS MAY BE MOVED FROM THE SITE OR MAY BE PLACED ONSITE AS DESIGNATED ON THE PLANS.
4. SAWCUT EXISTING PAVEMENTS BEYOND LINES SHOWN, TO NEAREST SCORELINE, AND REMOVE AND PROPERLY DISPOSE OF EXISTING ASPHALT, CONCRETE, CURBS, ETC.
5. AT ALL TIMES, TEMPORARY CONSTRUCTION EXCAVATIONS SHOULD CONFORM TO THE REGULATIONS OF THE STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF INDUSTRIAL SAFETY OR OTHER STRICTER GOVERNING REGULATIONS. THE STABILITY OF TEMPORARY CUT SLOPES SHOULD BE THE RESPONSIBILITY OF THE CONTRACTOR, ON THE FIRST DAY OF EACH YEAR WHEN GRADING IS PERFORMED, AND THE SURFACE CONDITIONS EXPOSED, TEMPORARY CUT SLOPES MAY NEED TO BE EXCAVATED TO 1 1/4:1, OR FLATTER. THE TOPS OF THE TEMPORARY CUT SLOPES SHOULD BE ROUNDED BACK TO 2:1 IN WEAK SOIL ZONES.
6. FINISHED NON PAVED GRADES AT THE OUTSIDE EDGE OF ALL BUILDINGS ARE TO BE 8" OR MORE BELOW FINISH FLOOR ELEVATION UNLESS OTHERWISE NOTED ON PLANS. SLOPE AWAY FROM THE BUILDING AS SHOWN.
7. THE CONTRACTOR SHALL PERFORM EARTHWORK CALCULATIONS WHICH ACCOUNT FOR HIS METHOD OF GRADING AND TRENCHING AS HE DEEMS NECESSARY FOR BIDDING AND CONSTRUCTION PURPOSES. IT SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO ACCOUNT FOR THE COST OF ANY NECESSARY IMPORT OR EXPORTING OF GROUND IN HIS BID IN ORDER TO ACHIEVE THE GRADES SHOWN ON THE PLANS. ADDITIONAL COMPENSATION SHALL BE ALLOWED FOR THIS ITEM OF WORK UNLESS THE OWNER REQUESTS ADDITIONAL WORK BE PERFORMED.
8. ALL UNSUITABLE AND UNUSABLE EXCESS SOIL MATERIAL SHALL BE REMOVED AND DISPOSED OF OFF THE PROJECT SITE.

1. EROSION AND SEDIMENT CONTROL DEVICES MUST BE INSTALLED PRIOR TO OCTOBER 15 AND ARE TO BE MAINTAINED THROUGHOUT CONSTRUCTION UNTIL PERMANENT VEGETATION IS ESTABLISHED. THE LOCATION OF SOME OF THE EROSION CONTROL DEVICES MAY HAVE TO BE ALTERED FROM THAT SHOWN ON THE APPROVED PLANS IF DRAINAGE PATTERNS, DURING CONSTRUCTION ARE DIFFERENT FROM THE FINAL PROPOSED DRAINAGE PATTERNS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACCOMPLISH EROSION CONTROL FOR ALL DRAINAGE PATTERNS CREATED AT VARIOUS STAGES DURING CONSTRUCTION. ANY VIOLATION IN EROSION CONTROL DURING CONSTRUCTION SHALL BE REPORTED TO THE OWNER/ENGINEER IMMEDIATELY.
2. SOME ADDITIONAL EROSION CONTROL DEVICES MAY BE REQUIRED BY THE PROJECT ENGINEER AND/OR THE INSPECTOR OF RECORD.
3. ALL EROSION AND SEDIMENTATION CONTROL DEVICES SHALL CONFORM TO THE LATEST EROSION AND SEDIMENTATION CONTROL REGULATIONS FOR THE STATE OF CALIFORNIA.
4. FAILURE TO INSTALL, OPERATE, OR MAINTAIN ALL EROSION CONTROL MEASURES WILL RESULT IN ALL CONSTRUCTION BEING STOPPED ON THE JOB UNTIL SUCH MEASURES ARE CORRECTED.
5. PRIOR TO COMMENCING LAND DISTURBANCE ACTIVITY, THE LIMITS OF LAND DISTURBANCE SHALL BE CLEARLY AND ACCURATELY DEMARCATED WITH STAKES, RIBBONS, OR OTHER APPROPRIATE MEANS. THE LOCATION AND EXTENT OF ALL AUTHORIZED LAND DISTURBANCE SHALL BE DEMARCATED FOR THE DURATION OF THE CONSTRUCTION ACTIVITY. NO LAND DISTURBANCE SHALL OCCUR OUTSIDE THE APPROVED LIMITS INDICATED ON THE APPROVED PLANS.
6. EROSION CONTROL MEASURES TO BE PLACED AT DOWNSTREAM TOE OF ALL CUT AND FILL SLOPES.
7. CONTRACTOR IS RESPONSIBLE FOR MONITORING DOWNSTREAM CONDITIONS THROUGHOUT THE CONSTRUCTION PERIOD AND FOR CLEARING ANY DEBRIS AND SEDIMENT CAUSED BY CONSTRUCTION.
8. SEDIMENT AND EROSION CONTROL DEVICES MUST BE CHECKED AFTER EACH STORM EVENT. EACH DEVICE IS TO BE MAINTAINED OR REPLACED IF SEDIMENT ACCUMULATION HAS REACHED HALF THE CAPACITY OF THE DEVICE.
9. CONTRACTOR IS RESPONSIBLE FOR CLEANING OUT ALL STORM DRAIN STRUCTURES AND PIPE PRIOR TO FINAL COMPLETION.



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ACLC-NEA

**PERIMETER
FENCING &
MODERNIZATION**

1900 THIRD STREET
ALAMEDA, CA 94501

ALAMEDA UNIFIED
SCHOOL DISTRICT[illegible]

DSA APP NO. 01-119358

ARCH PROJECT NO: 1580.03/4141.04

DRAWN BY: JLP

DRAWING SCALE: AS SHOWN

PTN: FILE NO: 1-

CD

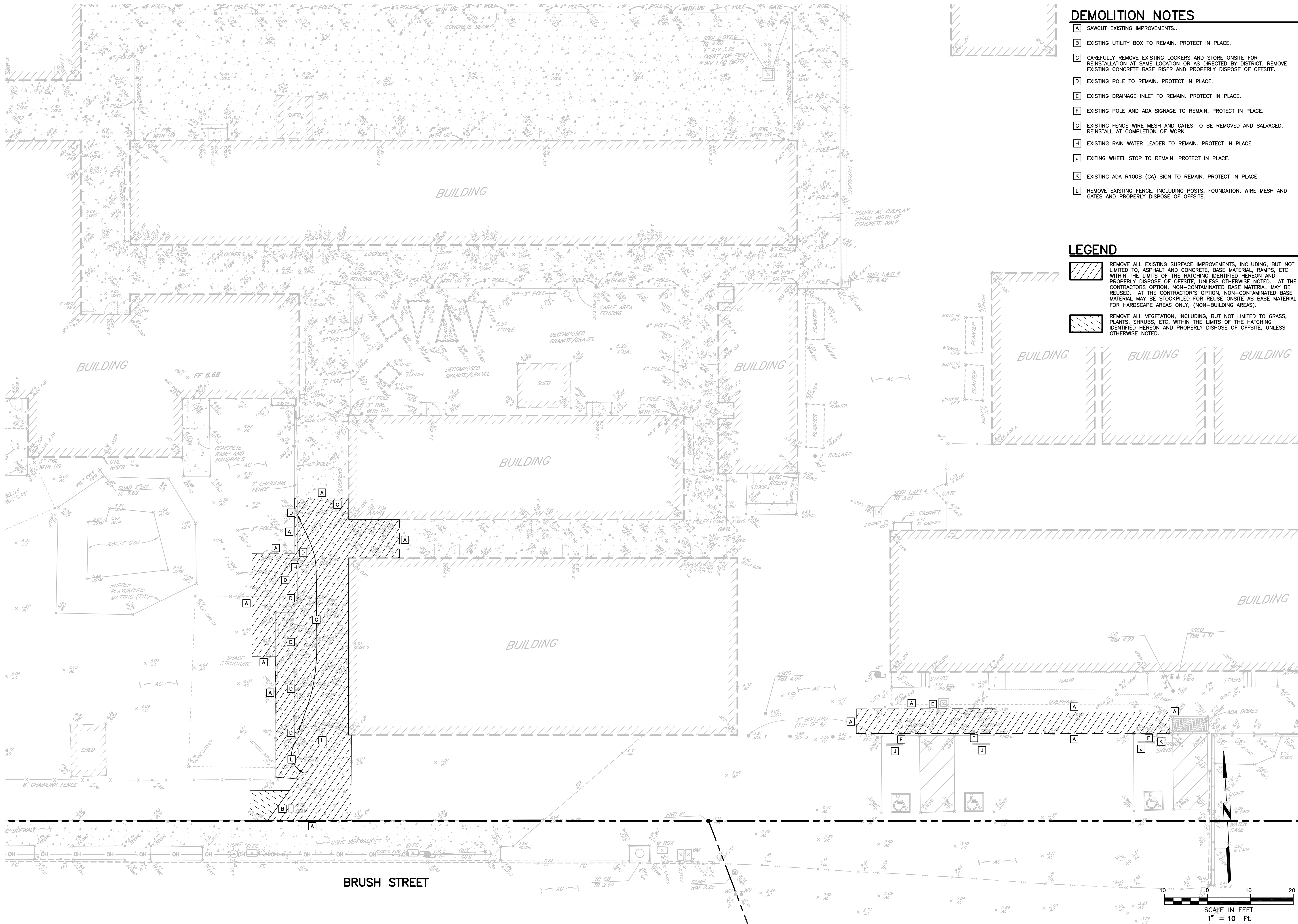
MAY 25, 2021

SHEET TITLE

ABBREVIATIONS, LEGEND & NOTES

SHEET NUMBER

C0



DEMOLITION NOTES

- A** SAWCUT EXISTING IMPROVEMENTS.
- B** EXISTING UTILITY BOX TO REMAIN. PROTECT IN PLACE.
- C** CAREFULLY REMOVE EXISTING LOCKERS AND STORE ONSITE FOR REINSTALLATION AT SAME LOCATION OR AS DIRECTED BY DISTRICT. REMOVE EXISTING CONCRETE BASE RISER AND PROPERLY DISPOSE OF OFFSITE.
- D** EXISTING POLE TO REMAIN. PROTECT IN PLACE.
- E** EXISTING DRAINAGE INLET TO REMAIN. PROTECT IN PLACE.
- F** EXISTING POLE AND ADA SIGNAGE TO REMAIN. PROTECT IN PLACE.
- G** EXISTING FENCE WIRE MESH AND GATES TO BE REMOVED AND SALVAGED. REINSTALL AT COMPLETION OF WORK
- H** EXISTING RAIN WATER LEADER TO REMAIN. PROTECT IN PLACE.
- J** EXITING WHEEL STOP TO REMAIN. PROTECT IN PLACE.
- K** EXISTING ADA R100B (CA) SIGN TO REMAIN. PROTECT IN PLACE.
- L** REMOVE EXISTING FENCE, INCLUDING POSTS, FOUNDATION, WIRE MESH AND GATES AND PROPERLY DISPOSE OF OFFSITE.

LEGEND

- REMOVE ALL EXISTING SURFACE IMPROVEMENTS, INCLUDING, BUT NOT LIMITED TO, ASPHALT AND CONCRETE, BASE MATERIAL, RAMPS, ETC WITHIN THE LIMITS OF THE HATCHING IDENTIFIED HEREON AND PROPERLY DISPOSE OF OFFSITE, UNLESS OTHERWISE NOTED. AT THE CONTRACTOR'S OPTION, NON-CONTAMINATED BASE MATERIAL MAY BE REUSED. AT THE CONTRACTOR'S OPTION, NON-CONTAMINATED BASE MATERIAL MAY BE STOCKPILED FOR REUSE ONSITE AS BASE MATERIAL FOR HARDSCAPE AREAS ONLY, (NON-BUILDING AREAS).
- REMOVE ALL VEGETATION, INCLUDING, BUT NOT LIMITED TO GRASS, PLANTS, SHRUBS, ETC, WITHIN THE LIMITS OF THE HATCHING IDENTIFIED HEREON AND PROPERLY DISPOSE OF OFFSITE, UNLESS OTHERWISE NOTED.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119358 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 06/09/2021

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No. 40512
Exp. 3-31-23
CIVIL
STATE OF CALIFORNIA

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PERIMETER FENCING & MODERNIZATION

1900 THIRD STREET
ALAMEDA, CA 94501

ALAMEDA UNIFIED
SCHOOL DISTRICT

REVISIONS	

DSA APP NO. 01-119358	
ARCH PROJECT NO:	1580.03/4141.04
DRAWN BY:	JLP
DRAWING SCALE:	1"= 10'
PTN:	FILE NO: 1-1
CD	
MAY 25, 2021	
SHEET TITLE	

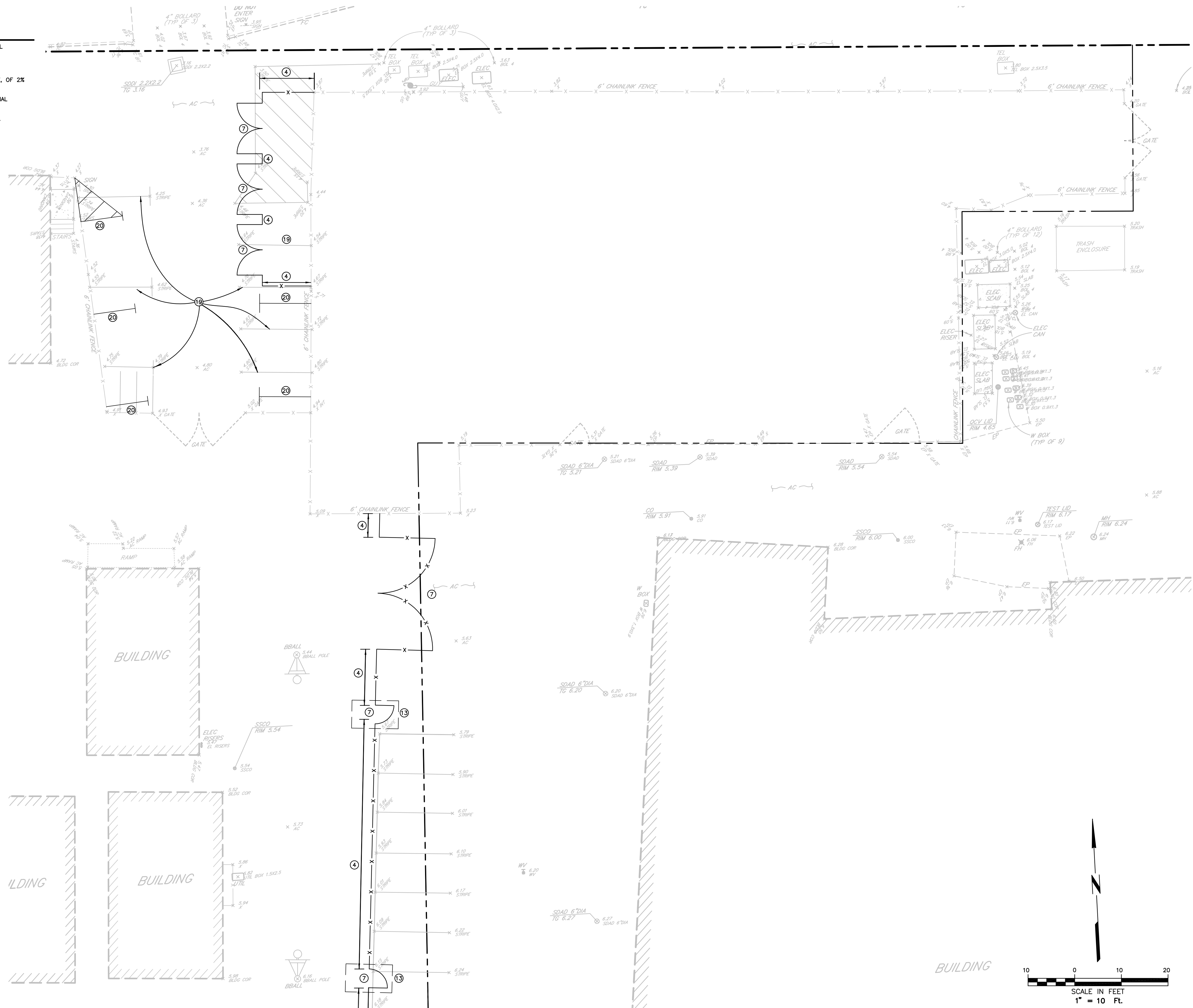
DEMOLITION PLAN

SHEET NUMBER

C1

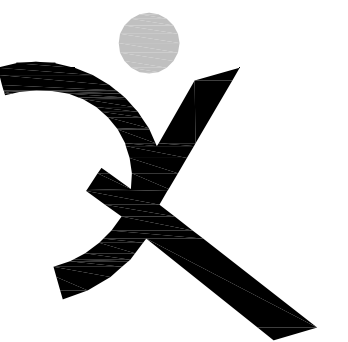
(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- | | |
|----|--|
| 4 | INSTALL CHAIN LINK FENCING AND FOUNDATION. SEE ARCHITECTURAL DRAWINGS FOR DETAILS. |
| 7 | INSTALL SWING GATE. SEE ARCHITECTURAL PLANS FOR DETAILS. |
| 13 | 6" WIDE X 5" DEEP MIN AREA, AT BOTH SIDES CENTERED ON GATE, OF 2% MAXIMUM SLOPE IN ALL DIRECTIONS. |
| 19 | EXISTING PAVEMENT MARKING TO BE PAINTED OVER WITH COMMERCIAL QUALITY BLACK PAVEMENT PAINT. |
| 20 | INSTALL NEW PAVEMENT MARKINGS PER PAVEMENT PLAN SHEET C5. |



SEE SHEET C3

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RESEARCH PROJECT NO: 1580.03/4141.04

DRAWN BY: JLP

DRAWING SCALE: 1" = 10'

N: FILE NO: 1-1

CD

MAY 25, 2021

SHEET TITLE

GRADING

PLAN

NORTHEAST

NORTHEAST

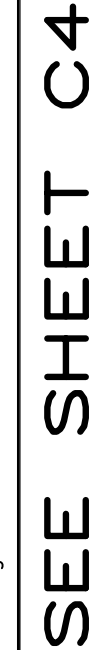
SHEET NUMBER

HEET NUMBER

22

C2

CONCLUSIONS



(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

- ### LEGEND

-
- EX. STAIRS
- EX. BUILDING
- EG
- NEW AC
- FENCE
- CONCRETE CURB PER DETAIL SHEET C6
- NEW AC
- EG
- SECTION**
- NOT TO SCALE
- (A)



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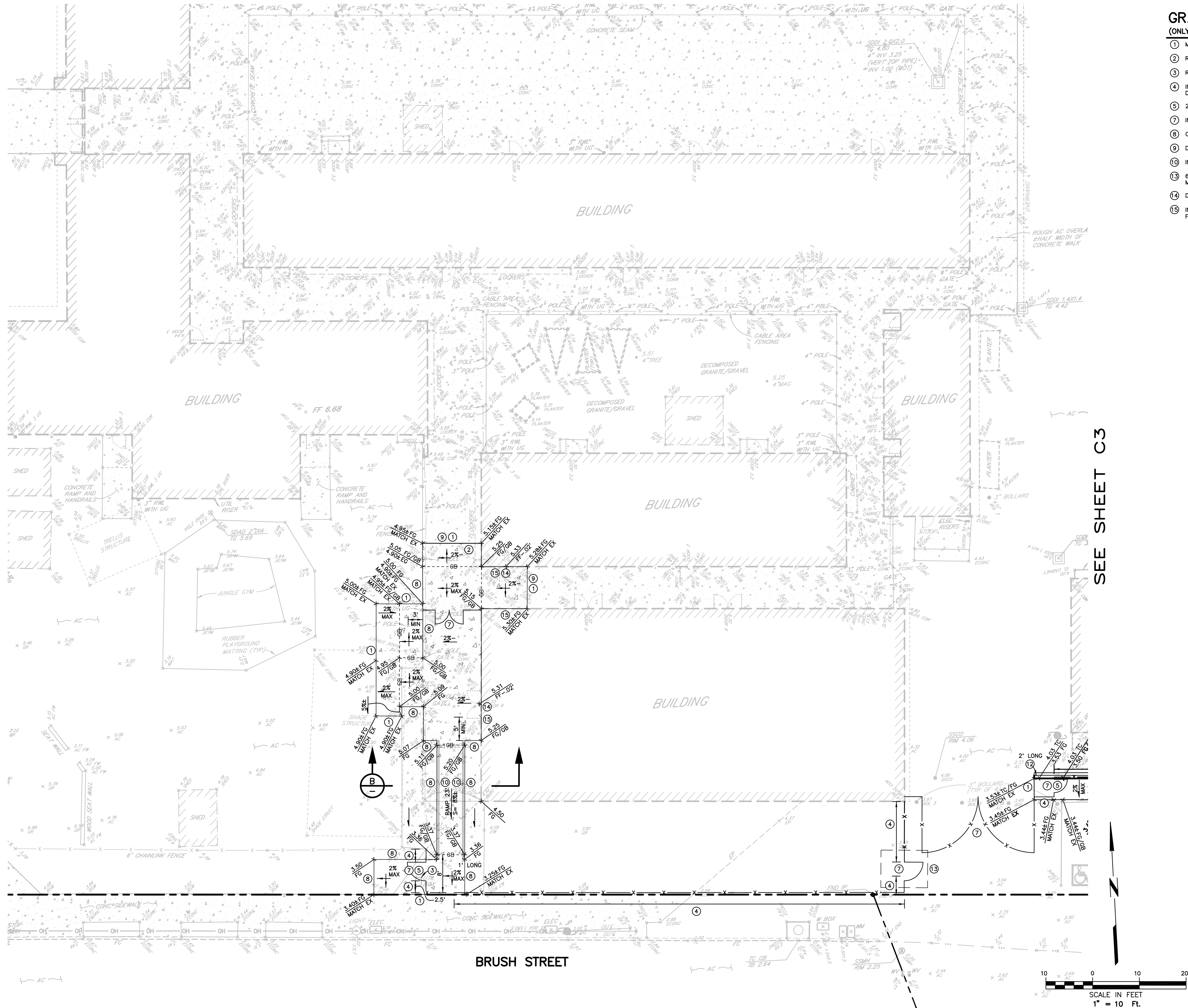
MAY 25, 2021

SHEET TITLE

GRADING PLAN SOUTHEAST

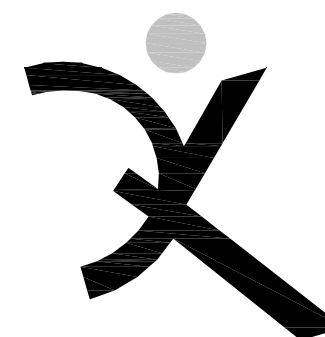
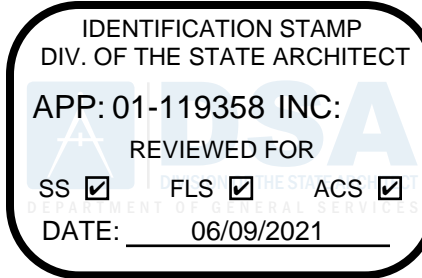
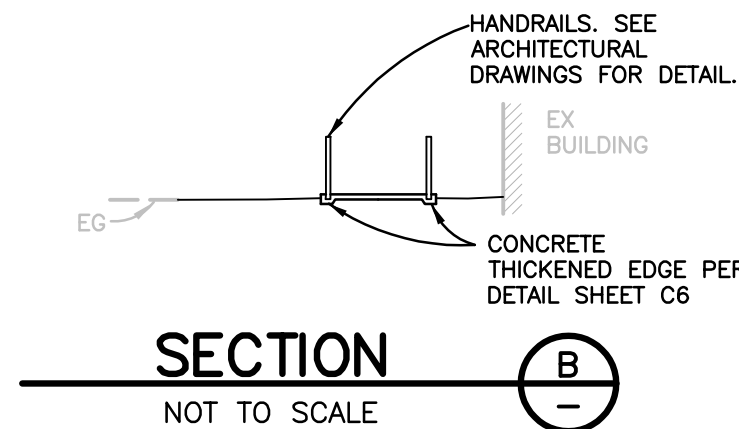
SHEET NUMBER

C3

**GRADING NOTES**

(ONLY NOTES RELEVANT TO THIS SHEET ARE SHOWN)

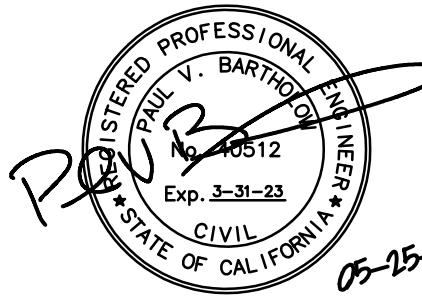
- ① MATCH EXISTING IMPROVEMENTS.
- ② RELOCATE EXISTING LOCKERS, PER SCHOOL DISTRICT'S RECOMMENDATIONS.
- ③ RAISE EXISTING UTILITY STRUCTURE TO NEW FINISHED GRADE.
- ④ INSTALL CHAIN LINK FENCING AND FOUNDATION. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
- ⑤ 2% MAXIMUM SLOPE IN ALL DIRECTIONS.
- ⑦ INSTALL SWING GATE. SEE ARCHITECTURAL PLANS FOR DETAILS.
- ⑧ CONCRETE THICKENED EDGE PER DETAIL SHEET C6.
- ⑨ DOWEL NEW CONCRETE INTO EXISTING CONCRETE PER DETAIL SHEET C6.
- ⑩ INSTALL HANDRAIL. SEE ARCHITECTURAL DRAWINGS FOR DETAIL.
- ⑬ 6" WIDE X 5' DEEP MIN AREA, AT BOTH SIDES CENTERED ON GATE, OF 2% MAXIMUM SLOPE IN ALL DIRECTIONS.
- ⑭ DOWEL SIDEWALK TO BUILDING SLAB AT DOORWAY PER DETAIL SHEET C6.
- ⑮ INSTALL 1/2" WIDE EXPANSION JOINT, WITH PULL ZIP STRIPS AND CAULKING FILLER MATERIAL, WHERE NEW WALKWAY JOINS EXISTING BUILDING.

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ALAMEDA UNIFIED
SCHOOL DISTRICT

REVISIONS

NO.	DESCRIPTION	DATE

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DRAWN BY: JLP

DRAWING SCALE: 1"= 10'

PTN: FILE NO: 1-1

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MAY 25, 2021

SHEET TITLE

**GRADING
PLAN
SOUTHWEST**

SHEET NUMBER

C4

3RD STREET

BRUSH STREET

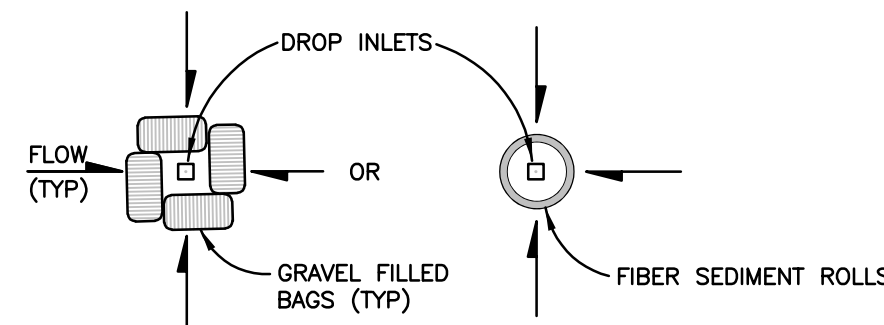
PAVEMENT STRUCTURAL SECTION

LOCATION	AC*	CL2 AB**	PCC***
ASPHALT CONCRETE (AC)	0.25'	0.75'	-
CONCRETE (PEDESTRIAN) PER DETAIL THIS SHEET	-	0.33'	0.33'

* TYPE A 1/2 MAX MEDIUM ASPHALT
** COMPACTED TO 95% RELATIVE COMPACTION
*** 5 SACKS PER CY

LEGEND

○ MINOR INLET PROTECTION,
PER DETAIL THIS SHEET.



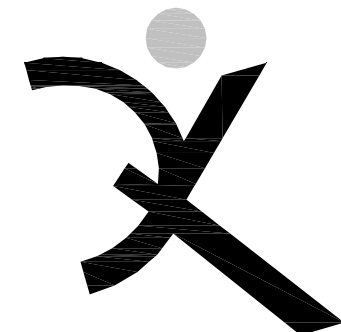
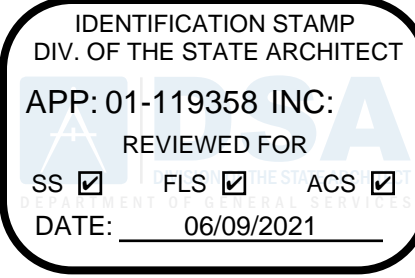
MINOR INLET PROTECTION

NOT TO SCALE

LAYOUT COORDINATE TABLE

NO	NORTHING	EASTING	TYPE
1400	470577.606	1483739.317	AP
1401	470576.906	1483751.898	AP
1402	470571.384	1483761.413	AP
1403	470565.189	1483728.713	AP
1404	470564.714	1483738.677	AP
1405	470562.409	1483760.928	AP
1406	470541.225	1483727.395	AP
1407	470540.917	1483732.896	AP
1408	470542.658	1483737.637	AP
1409	470535.437	1483737.236	AP
1410	470535.251	1483740.578	AP
1411	470534.957	1483746.070	AP
1412	470510.576	1483725.274	AP
1413	470509.875	1483738.663	AP
1414	470503.113	1483724.859	AP
1415	470502.083	1483744.258	AP
1416	470521.460	1483867.352	AP
1417	470519.749	1483899.610	AP
1418	470518.970	1483899.568	AP
1419	470516.738	1483940.300	AP
1420	470515.706	1483867.042	AP
1421	470511.794	1483939.969	AP

SCALE IN FEET
1" = 20' Ft.



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ACLC-NEA

**PERIMETER
FENCING &
MODERNIZATION**

1900 THIRD STREET
ALAMEDA, CA 94501

ALAMEDA UNIFIED
SCHOOL DISTRICT

REVISIONS	

DSA APP NO. 01-119358
ARCH PROJECT NO: 1580.03/4141.04
DRAWN BY: JLP
DRAWING SCALE: 1"= 20'
PTN: FILE NO: 1-1

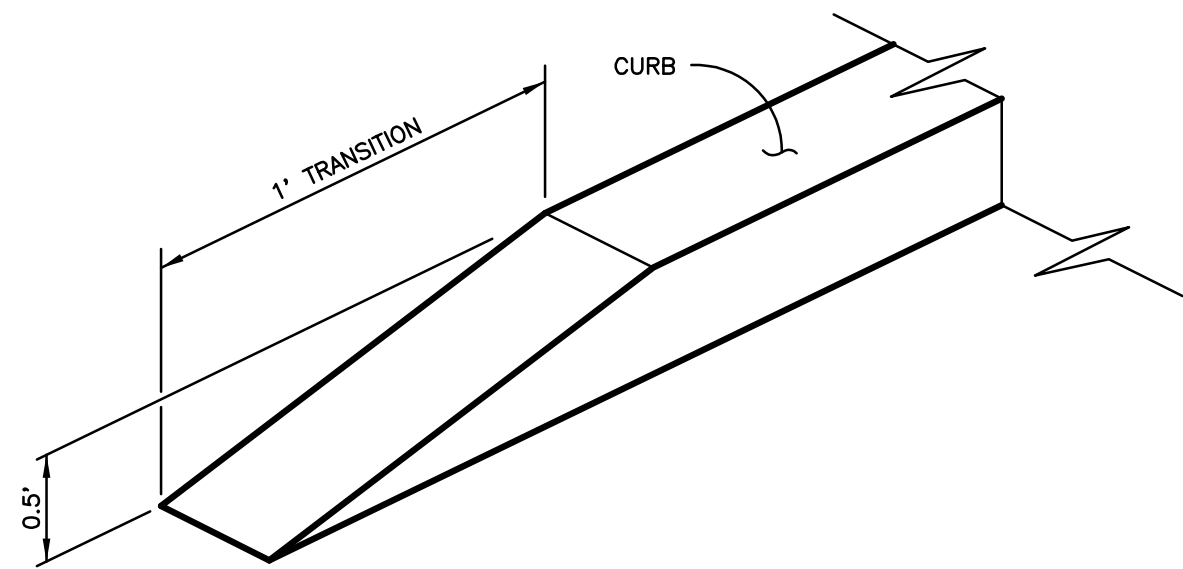
CD
MAY 25, 2021
SHEET TITLE

**PAVEMENT
STRUCTURAL
SECTION, LAYOUT
& EROSION
CONTROL PLAN**

SHEET NUMBER
C5

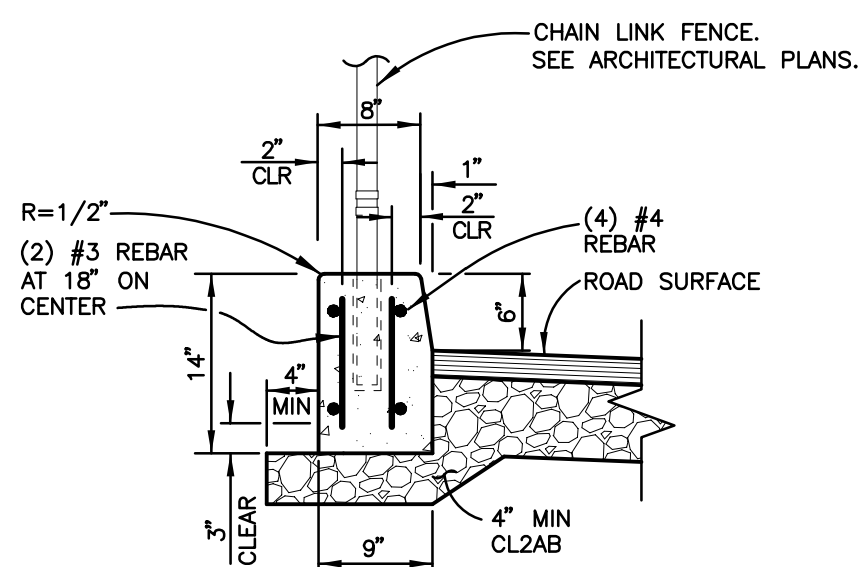
NOTES

1. CONCRETE BATCH PLANT INSPECTION IS NOT REQUIRED FOR SITE FLATWORK AND UNENCLOSED SITE STRUCTURES PER CBC 2019 1705A.3.3.2 AND DSA 103 FORM.
2. EPOXY SHEAR DOWELS IN SITE FLATWORK AND/OR OTHER NON-STRUCTURAL CONCRETE ARE EXEMPT FROM STRUCTURAL TESTING AND SPECIAL INSPECTION PER DSA 103 FORM.

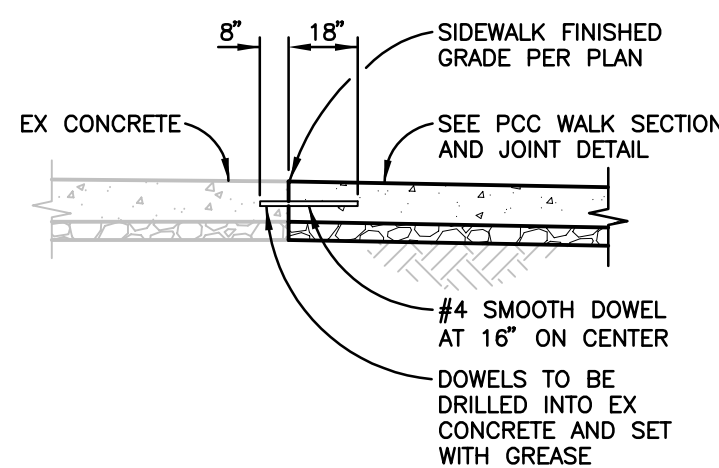


CURB TRANSITION

NOT TO SCALE

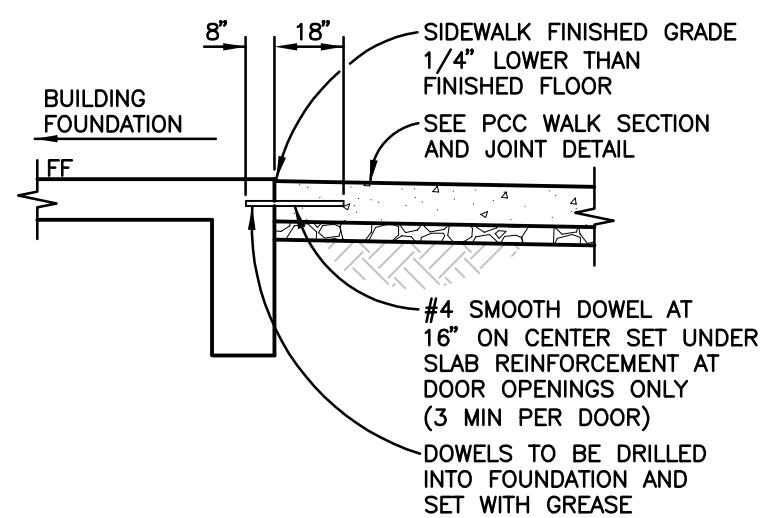
TYPE 1
STANDARD VERTICAL CURB

NOT TO SCALE

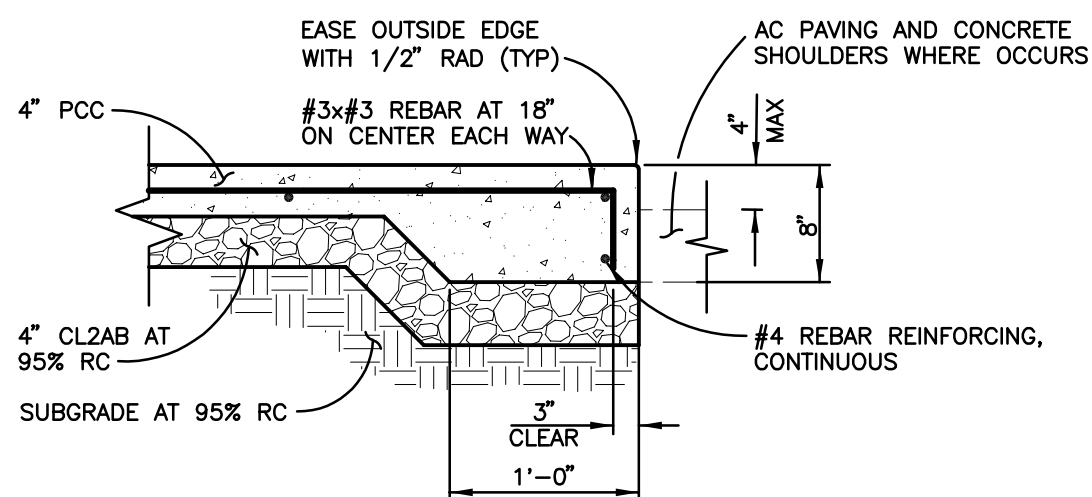


SIDEWALK DOWELING

NOT TO SCALE

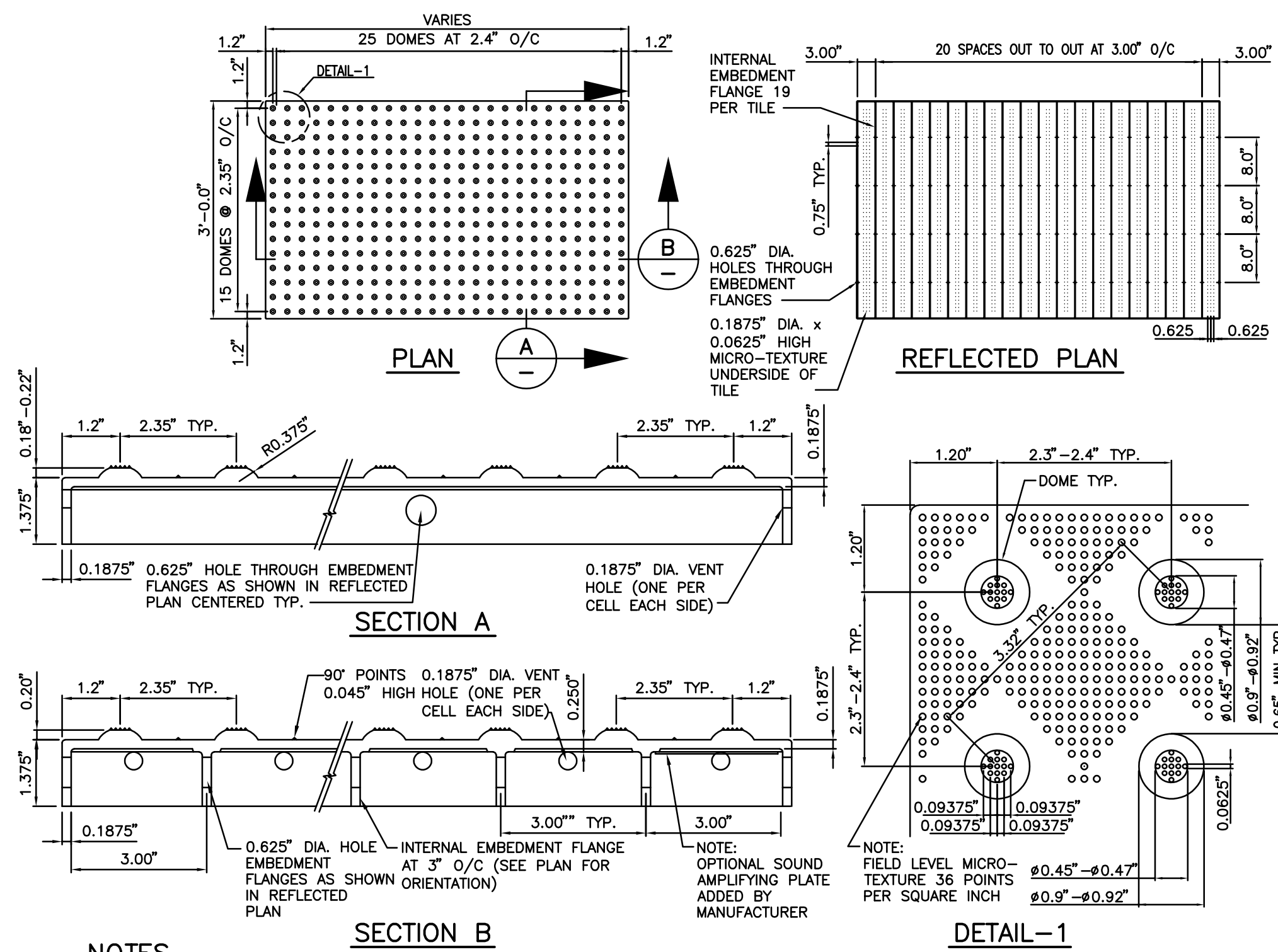
FOUNDATION
DOWELING AT DOORWAY

NOT TO SCALE



CONCRETE PAVING EDGE

NOT TO SCALE



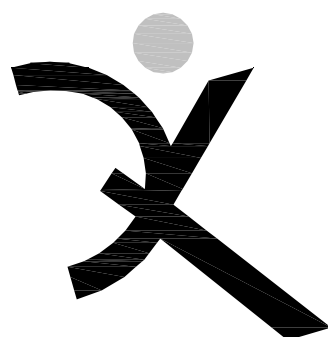
NOTES

1. DETAIL FOR 36"x60" SHOWN. DETAIL FOR OTHER SIZE TILES SIMILAR.
2. TILE COLOR TO BE YELLOW.
3. TILES TO BE PLACED FULL WIDTH OF RAMP, EXCLUDING FLARES, AND A MINIMUM LENGTH OF 3FT IN THE DIRECTION OF TRAVEL.

EMBEDDED
DETECTABLE WARNING SURFACE

NOT TO SCALE

IDENTIFICATION STAMP
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DATE: 06/09/2021



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ALAMEDA UNIFIED
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REVISIONS

NO.	DESCRIPTION

DSA APP NO. 01-119358

ARCH PROJECT NO: 1580.03/4141.04

DRAWN BY: JLP

DRAWING SCALE: AS SHOWN

PTN: FILE NO: 1-1

CD

MAY 25, 2021

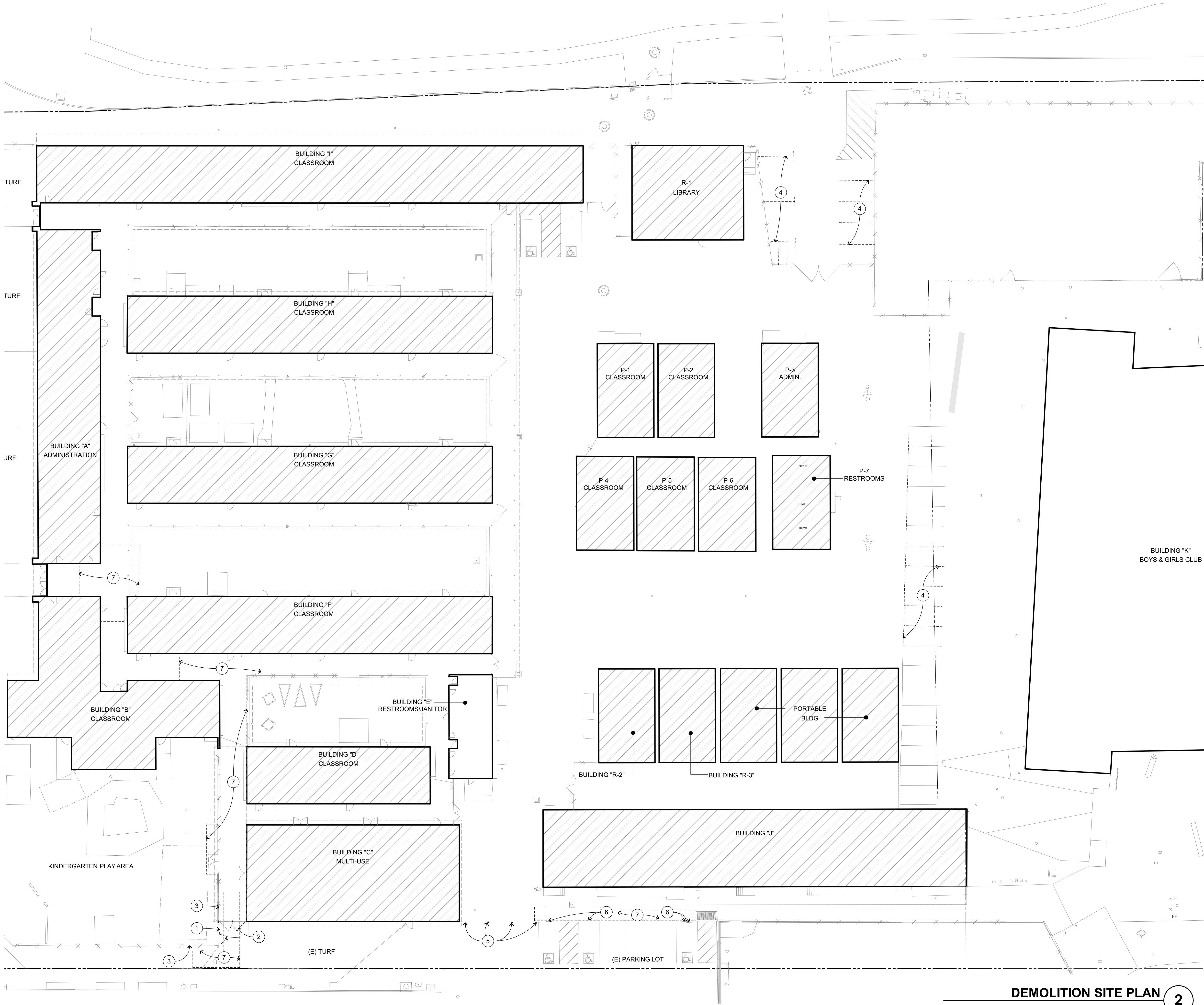
SHEET TITLE

DETAILS

SHEET NUMBER

C6

P:\1580.03 - Perimeter Fencing ACLC-NEA 1900 3rd st. AUD\Drawings\04-CD\1580.03 Perimeter Fencing ACLC-NEA 22.pln/5/27/2021 12:36 PM



DEMOLITION SITE PLAN

1" = 20'

2

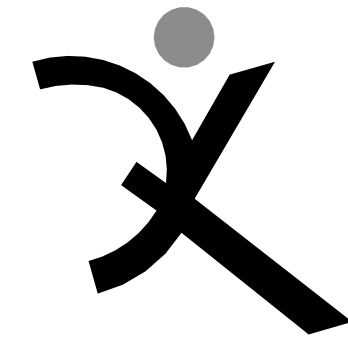
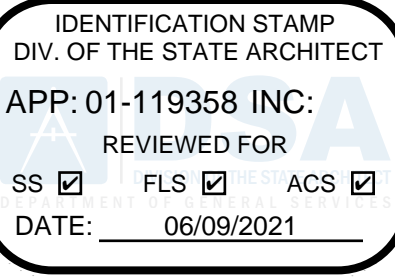
DEMOLITION SITE PLAN KEYNOTES

NOT ALL KEYNOTES MAY APPLY TO THIS SHEET

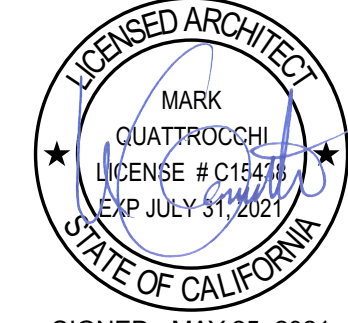
- 1 REMOVE EXISTING CHAIN LINK FENCING
- 2 REMOVE EXISTING CHAIN LINK GATE
- 3 EXISTING FENCING TO REMAIN, PROTECT IN PLACE
- 4 REMOVE EXISTING PARKING STRIPING, S.C.D.
- 5 REMOVE EXISTING BOLLARDS, PATCH AND REPAIR ASPHALT
- 6 PARKING SIGNAGE, S.C.D.
- 7 SITE DEMOLITION, S.C.D.

SITE DEMOLITION NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY CONFIRM EXISTING CONDITIONS PRIOR TO COMMENCEMENT OF WORK.
2. REFER TO CIVIL DRAWINGS FOR EXISTING UNDERGROUND UTILITY MAINS AND SERVICE LINES. THE CONTRACTOR SHALL VERIFY AND LOCATE ALL EXISTING ABOVE AND UNDERGROUND UTILITIES AND SERVICES. PROTECT ALL EXISTING UNDERGROUND UTILITIES UNLESS OTHERWISE NOTED ON THE PLANS. WHERE DEMOLISHED, CAP AS REQUIRED AND IDENTIFY FOR OWNER. EXISTING MAINS AND SERVICE LINES SHOWN HAVE NOT BEEN VERIFIED IN THE FIELD.
3. IF UTILITIES TO REMAIN IN PLACE ARE DAMAGED, CONTRACTOR SHALL NOTIFY OWNER IMMEDIATELY AND MAKE REPAIRS TO SAID LINES AS QUICKLY AS POSSIBLE, AT NO EXPENSE TO THE OWNER.
4. DEMOLITION OF UTILITIES TO BE STAGED AS REQUIRED SO THAT EXISTING SERVICE TO REMAINING BUILDINGS ARE NOT INTERRUPTED.
5. WITHIN THE LIMIT OF DEMOLITION, REMOVE ALL PAVING AND AGGREGATE BASE, STRUCTURES, TREES AND PLANTS, TOPSOILS, ORGANIC MATERIAL AND MISCELLANEOUS ITEMS UNLESS OTHERWISE NOTED ON PLANS. EXCAVATE TO PAD ELEVATION OR SUBGRADE DEPTH FOR PROPOSED CONSTRUCTION AS INDICATED ON PROJECT DOCUMENTS. REFER TO GEOTECH REPORT FOR ADDITIONAL INFORMATION.
6. EROSION CONTROL MEASURES SHALL BE IMPLEMENTED TO PREVENT DEBRIS AND UNSUITABLE MATERIALS FROM ENTERING STORM DRAINS, SANITARY SEWERS AND STREETS. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
7. DUST CONTROL SHALL BE IMPLEMENTED DURING DEMOLITION.
8. TO ACCOMPLISH THE FULL SCOPE OF WORK, ADDITIONAL WORK MAY BE REQUIRED BEYOND THE INDICATED SITE WORK; REFER TO ALL CONSTRUCTION DOCUMENTS. ALL SUCH WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.
9. NEATLY CUT AND REMOVE SURFACES AND FINISHES AS REQUIRED OR TO A NATURAL POINT OF DIVISION TO ENABLE INSTALLATION OF BLOCKING, BACKING, FRAMING, SHEATHING, UTILITIES OR OTHER CONCEALED WORK, WHETHER SPECIFICALLY SHOWN OR INFERRED FOR SUPPORT OR RENOVATION. REFER TO ELECTRICAL DRAWINGS FOR CONCEALED WORK NOT SHOWN ON ARCHITECTURAL DRAWINGS.
10. REPAIR AND REPLACE ALL EXISTING SURFACES AND FINISHES TO EXISTING UNDISTURBED WORK.
11. NOTES AND SYMBOLS ARE TO APPLY AT ALL AREAS OF SIMILAR GRAPHIC REPRESENTATION. SUCH INDICATIONS MAY BE LIMITED TO PROMOTE CLARITY OR AVOID REDUNDANCY. NO LIMITATIONS OF APPLICATION SHALL BE CONSTRUED WITHOUT SPECIFIC NOTATION.
12. REMOVE AND REPLACE EXTERIOR CONCRETE OR ASPHALT FLATWORK WHERE REQUIRED FOR NEW WORK. REMOVE CONCRETE TO NEAREST APPROPRIATE CONTROL JOINT. COLOR AND FINISH TO MATCH EXISTING ADJACENT, U.O.N., S.C.D.



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SIGNED: MAY 25, 2021

ACLC-NEA

PERIMETER
FENCING &
MODERNIZATION

1900 Third Street
Alameda, CA 94501

ALAMEDA UNIFIED
SCHOOL DISTRICT

DSA APP NO. 01-119358

ARCH PROJECT NO: 1580.03

DRAWN BY: HM

DRAWING SCALE: 1"=20'

PTN: 61119-120 FILE NO: 1-1

CD

MAY 25, 2021

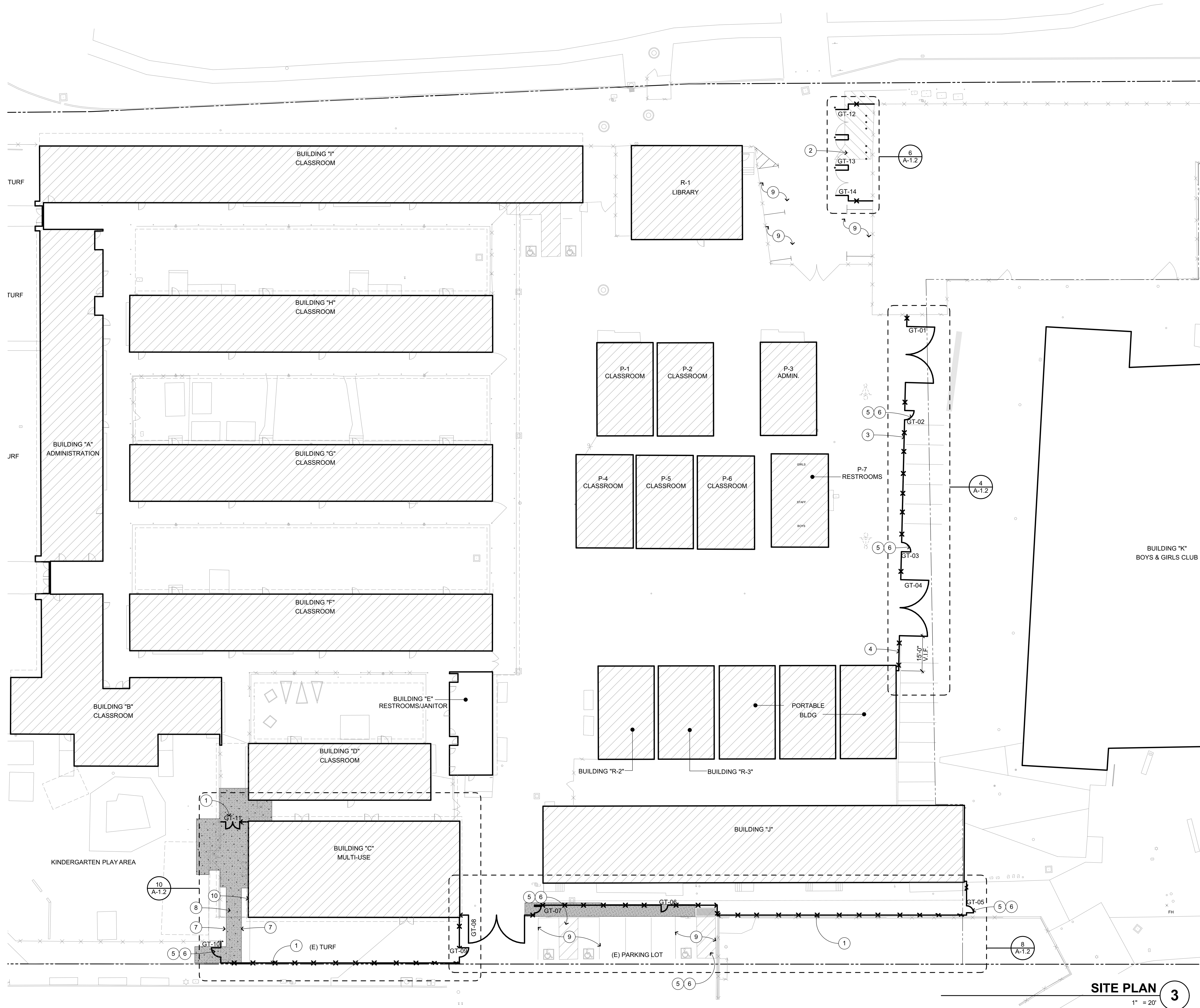
SHEET TITLE

DEMOLITION
SITE PLAN

SHEET NUMBER

A-1.0

P:\1580.03 - Perimeter Fencing ACLC-NEA 1900 3rd st. AUD\Drawings\04-CD\1580.03 Perimeter Fencing ACLC-NEA_22.pln:5/27/2021 12:36 PM



SITE PLAN KEYNOTES

NOT ALL KEYNOTES MAY APPLY TO THIS SHEET

- CHAIN LINK FENCING, 6'-0" HIGH, BLACK VINYL COATED
- CHAIN LINK FENCING, 6'-0" HIGH
- CHAIN LINK FENCING, 10'-0" HIGH
- PRIVACY SLATS AT CHAIN LINK FENCING
- PEDESTRIAN GATE, SEE
- LEVEL LANDING AT EA SIDE OF GATES, SEE
- HANDRAIL, SEE
- RAMP, S.C.D.
- PARKING, S.C.D.
- ELECTRICAL ITEM, S.E.D.

SITE PLAN GENERAL NOTES

- SEE SHEET G-0.3 FOR ACCESSIBLE PATH OF TRAVEL INFORMATION
- SEE SHEET G-0.2 AND G-0.3 FOR CODE INFORMATION
- REFER TO CIVIL ENGINEERING DWGS FOR SIDEWALK GRADES
- REFER TO CIVIL ENGINEERING DRAWINGS AND ELECTRICAL ENGINEERING DRAWINGS FOR SITE FEATURES NOT OTHERWISE INDICATED.
- NOTES AND SYMBOLS ARE TO APPLY AT ALL AREAS OF SIMILAR GRAPHIC REPRESENTATION. SUCH INDICATIONS MAY BE LIMITED TO PROMOTE CLARITY OR AVOID REDUNDANCY. NO LIMITATIONS OF APPLICATION SHALL BE CONSTRUED WITHOUT SPECIFIC NOTATION. TO ACCOMPLISH THE FULL SCOPE OF WORK, ADDITIONAL WORK MAY BE REQUIRED BEYOND THE INDICATED SITE WORK. REFER TO ALL CONSTRUCTION DOCUMENTS. ALL SUCH WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.

SITE PLAN LEGEND

- | | |
|---|--|
| (E) BUILDING TO BE MODERNIZED | |
| (E) BUILDING TO REMAIN | |
| CONCRETE, S.C.D. | |
| ASPHALT, S.C.D. | |
| (E) BUILDING/WALKWAY OVERHANG TO REMAIN | |
| (E) CHAIN LINK FENCING TO REMAIN | |
| CHAIN LINK FENCING | |
| PROPERTY LINE | |
| SEE GATE SCHEDULE | |
| FIRE HYDRANT | |

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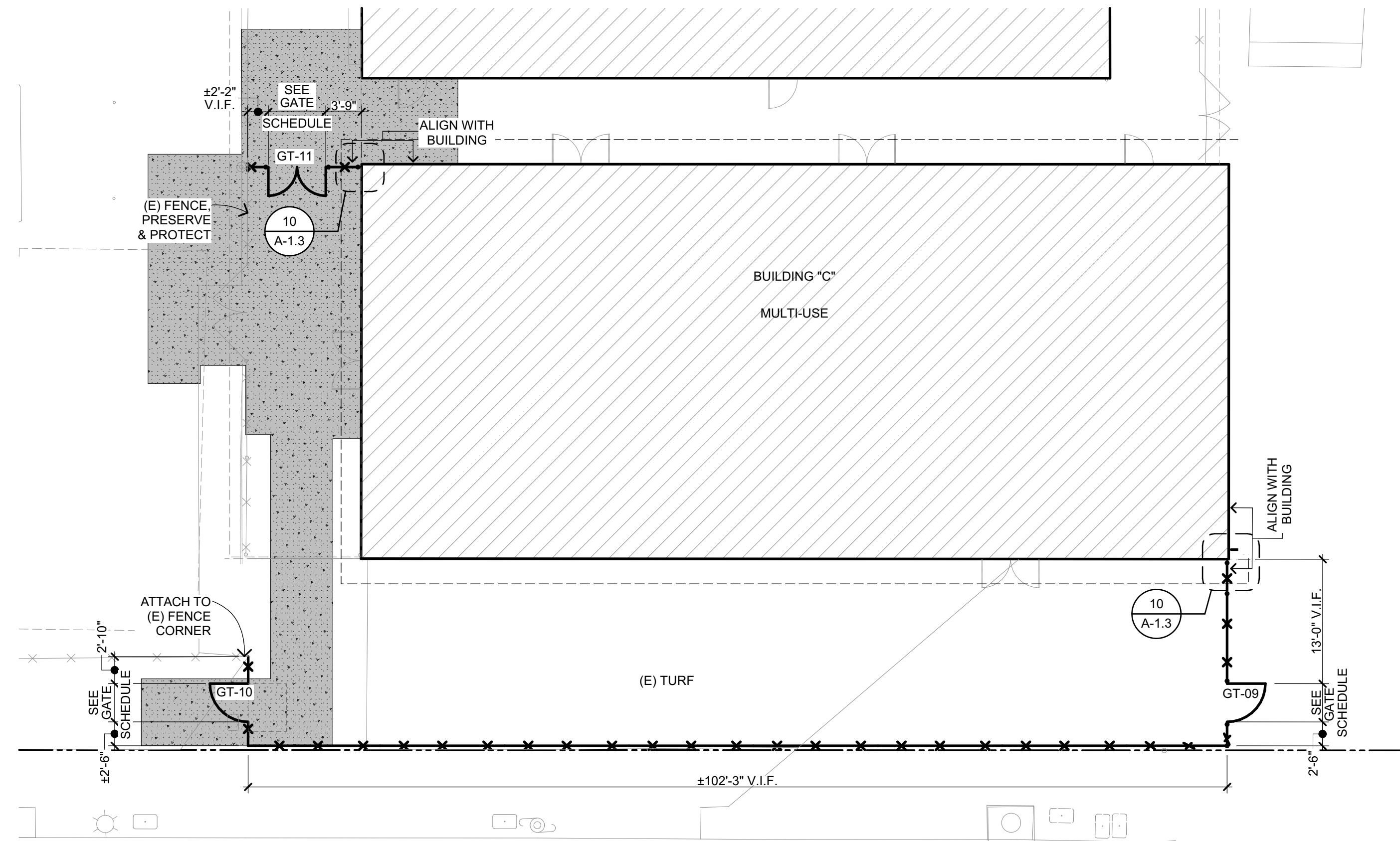
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SCHOOL DISTRICT

DSA APP NO. 01-119358
ARCH PROJECT NO: 1580.03
DRAWN BY: HM
DRAWING SCALE: 1"=20'
PTN: 61119-120 FILE NO: 1-1
CD
MAY 25, 2021
SHEET TITLE

CAMPUS SITE
PLAN

SHEET NUMBER

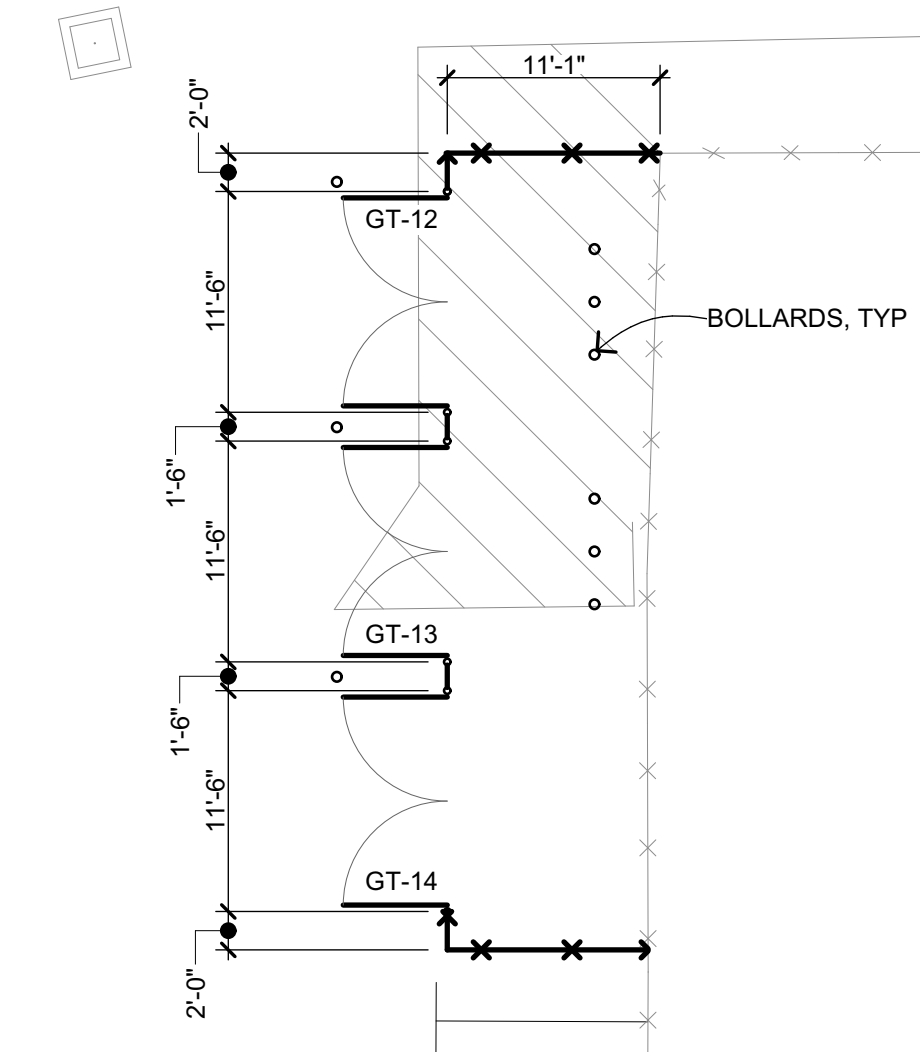
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ENLARGED SITE PLAN

$$1'' = 10'$$

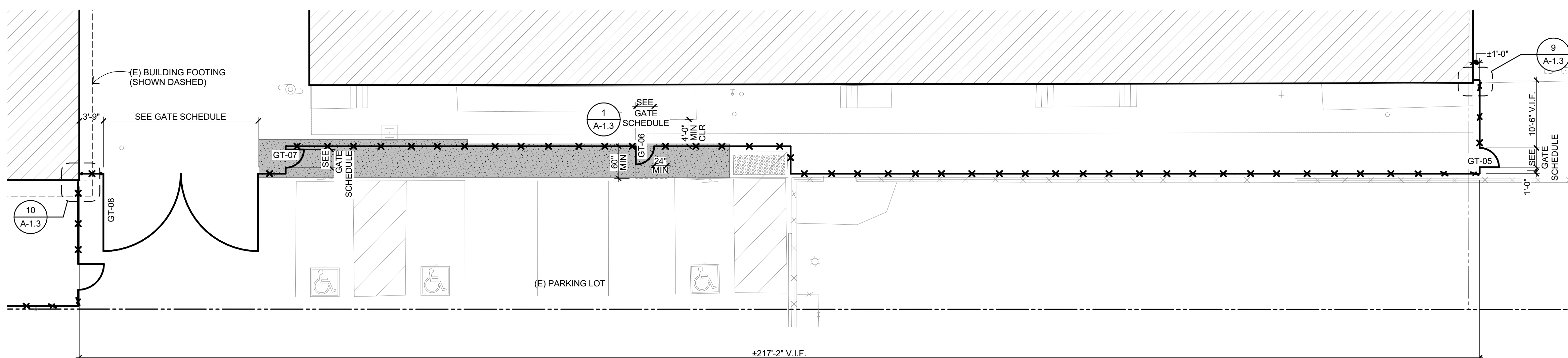
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ENLARGED SITE PLAN

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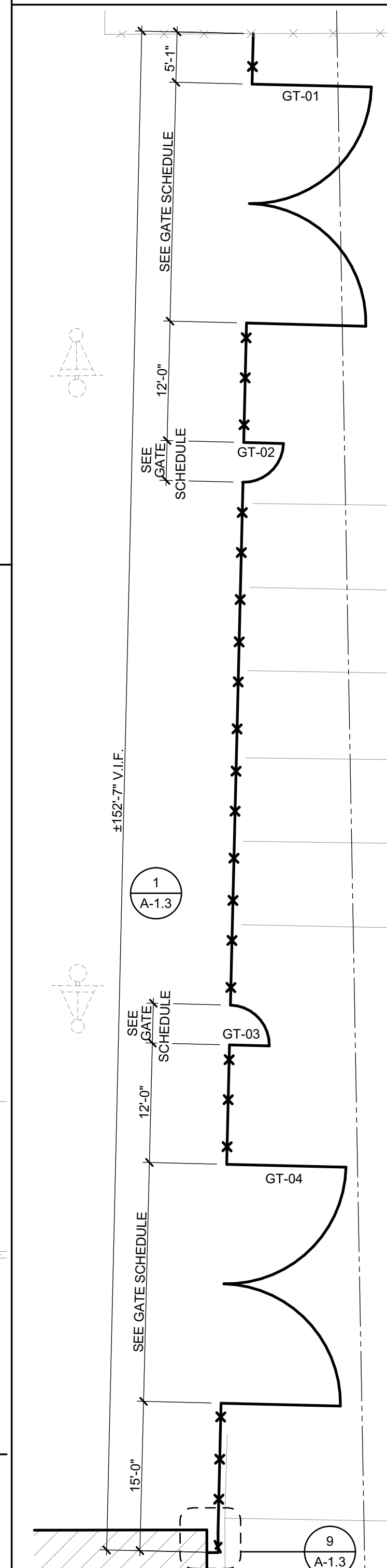
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ENLARGED SITE PLAN

 $1'' = 10'$

(8)

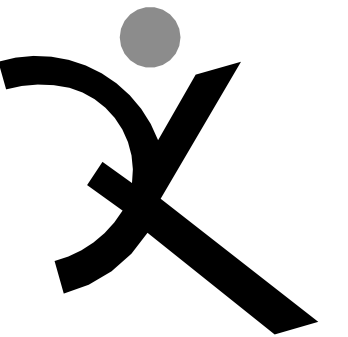


ENLARGED SITE PLAN

1" = 10'

(4)

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PERIMETER FENCING & MODERNIZATION

1900 Third Street
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ALAMEDA UNIFIED
SCHOOL DISTRICT

DSA APP NO. 01-119358

ARCH PROJECT NO: 1580.03

DRAWN BY: *HM*

DRAWING SCALE: AS NOTED

PTN: 61119-120 FILE NO: 1-1

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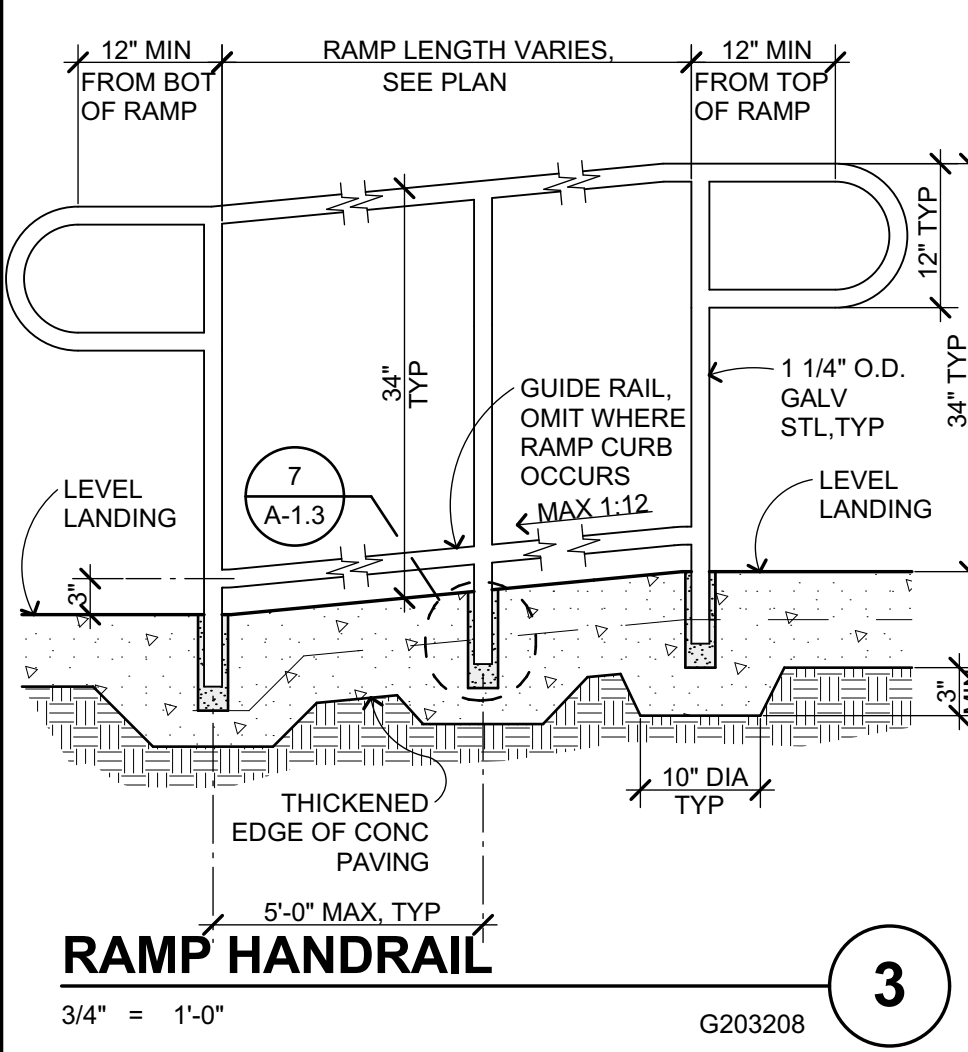
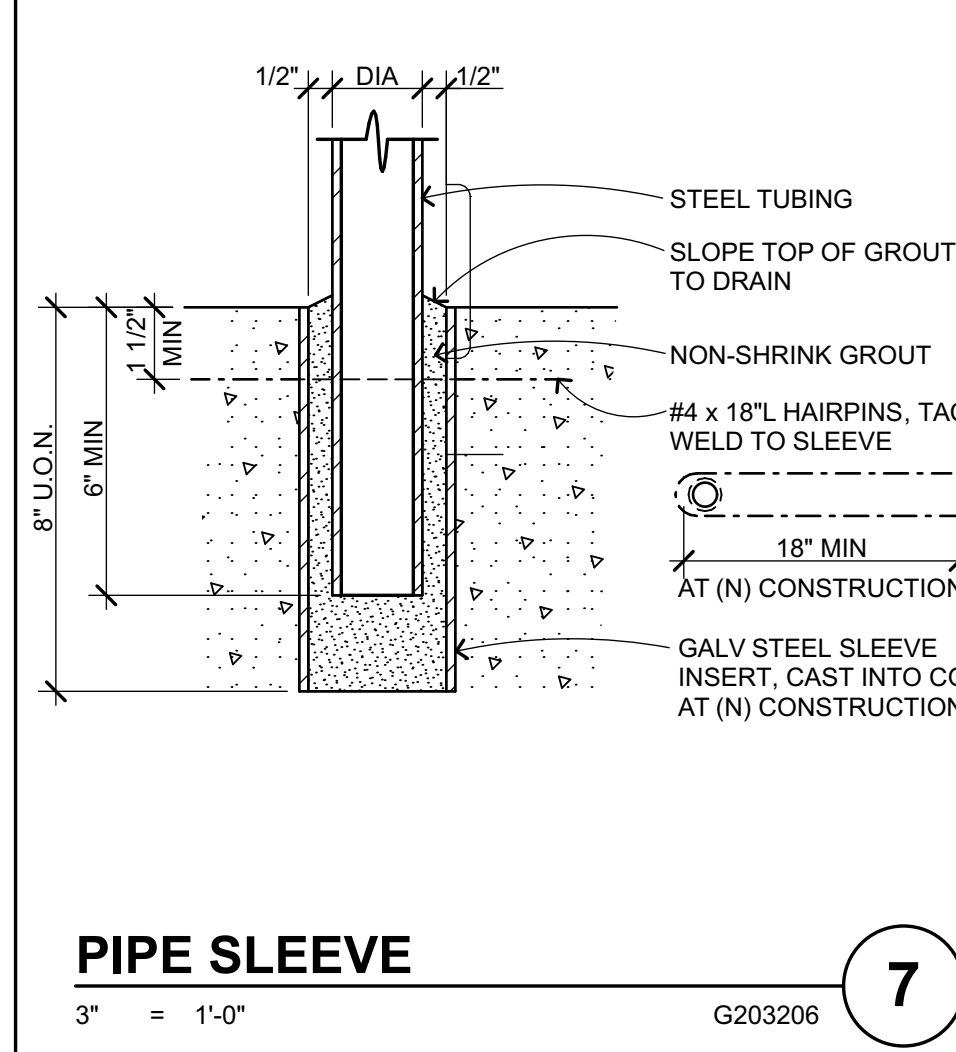
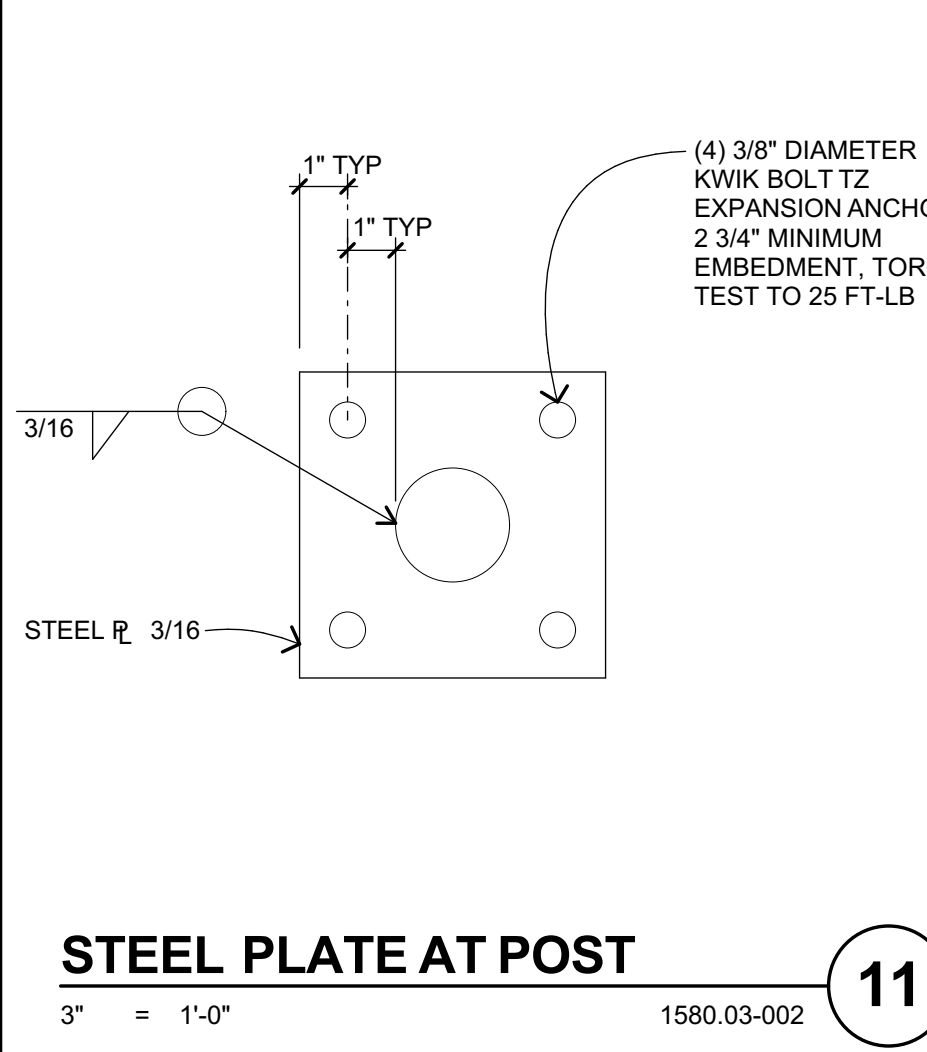
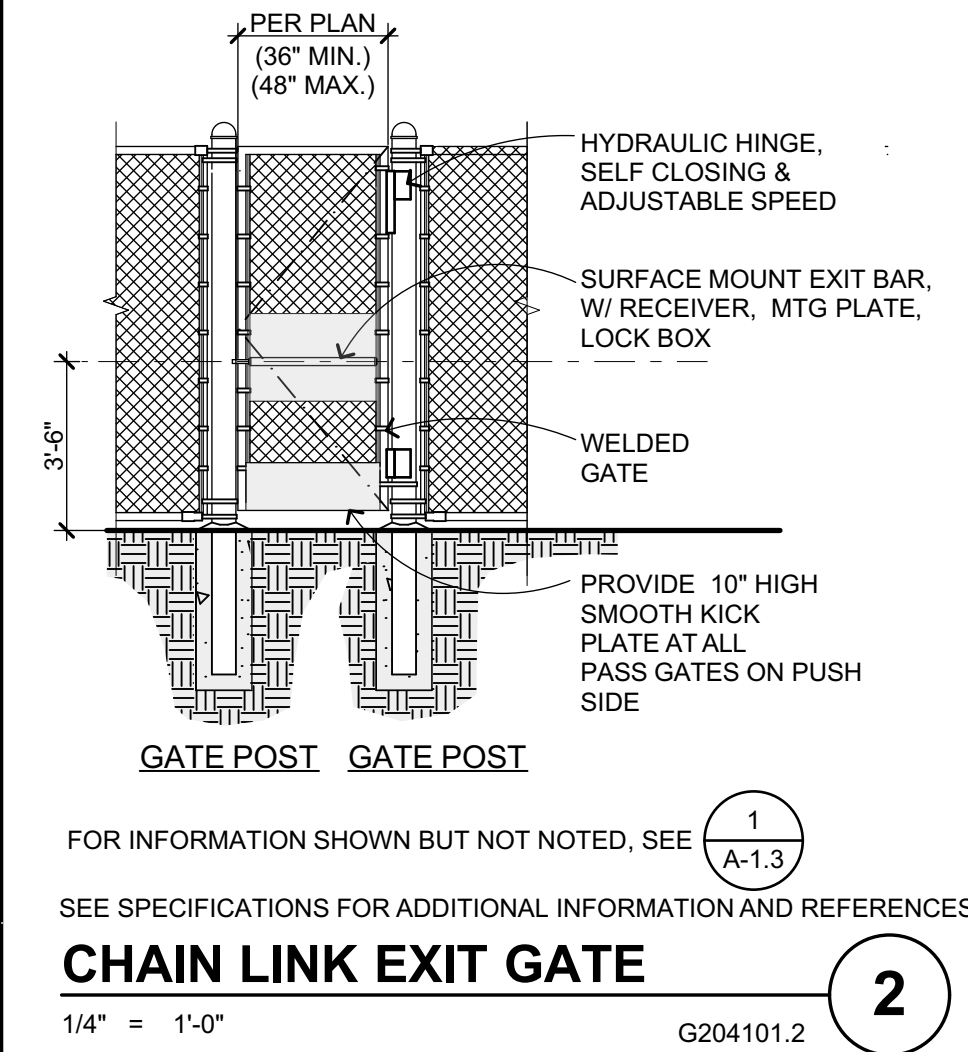
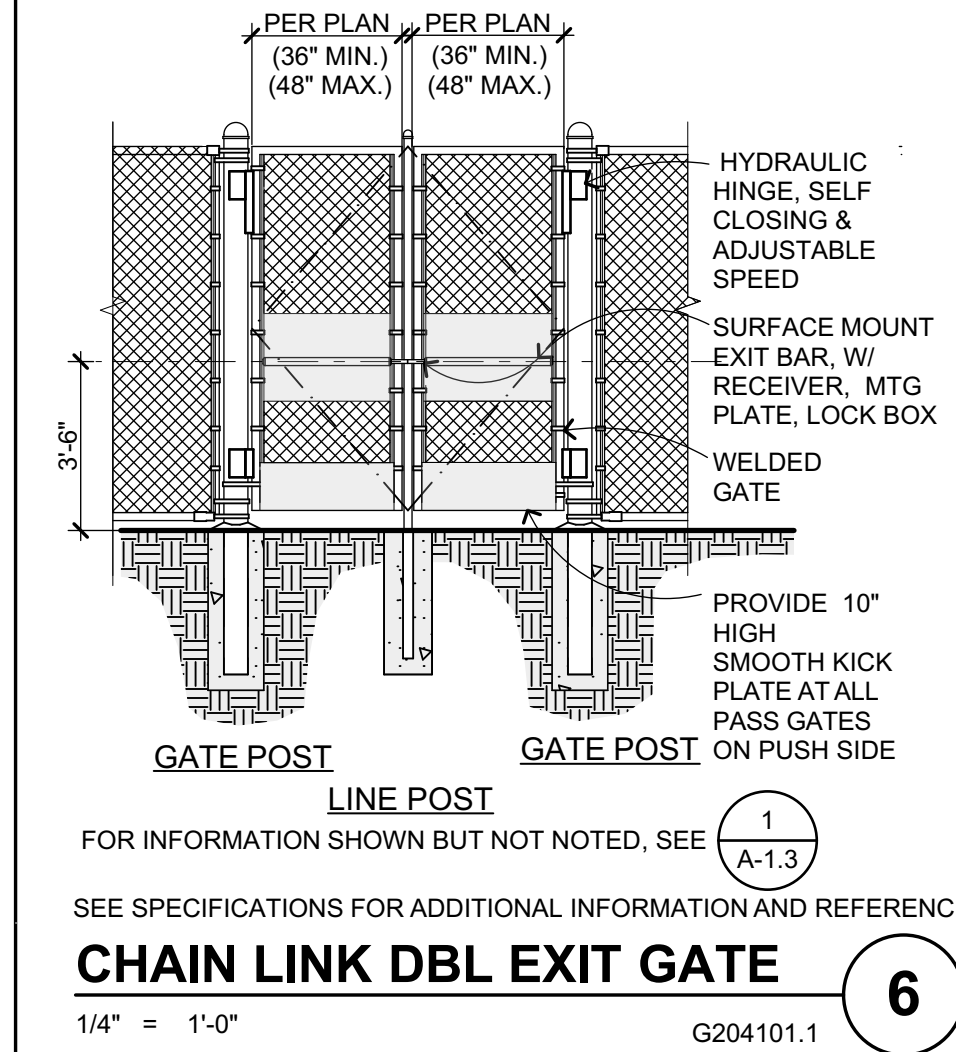
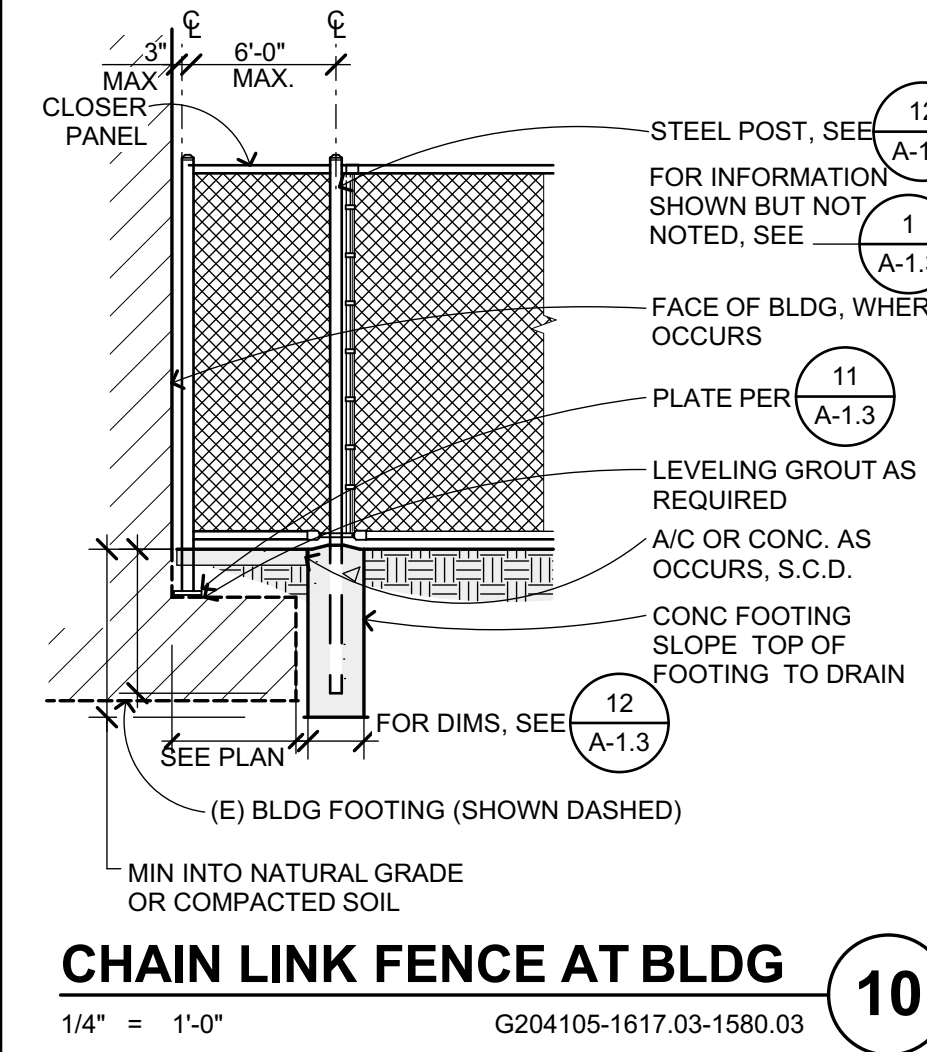
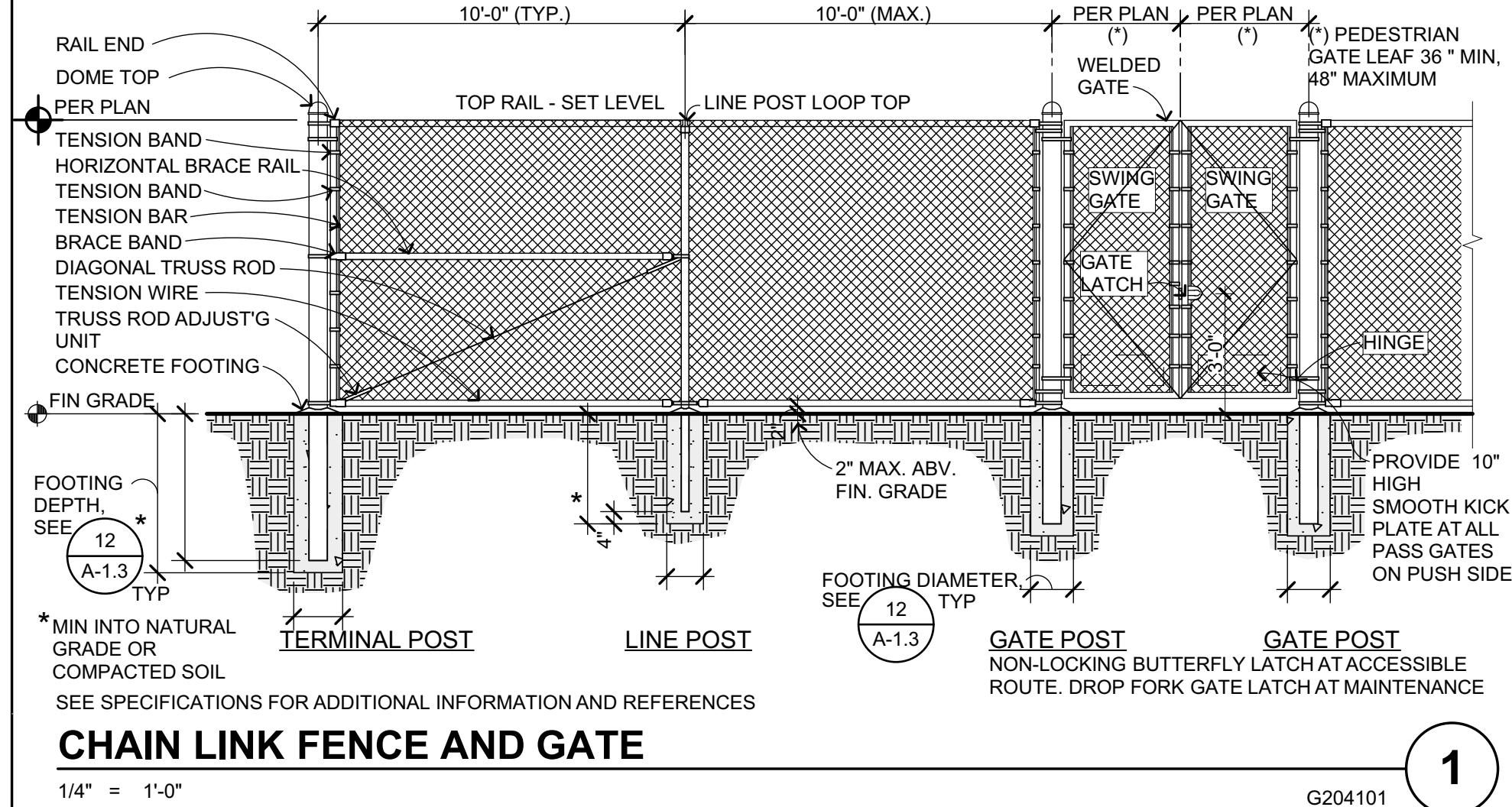
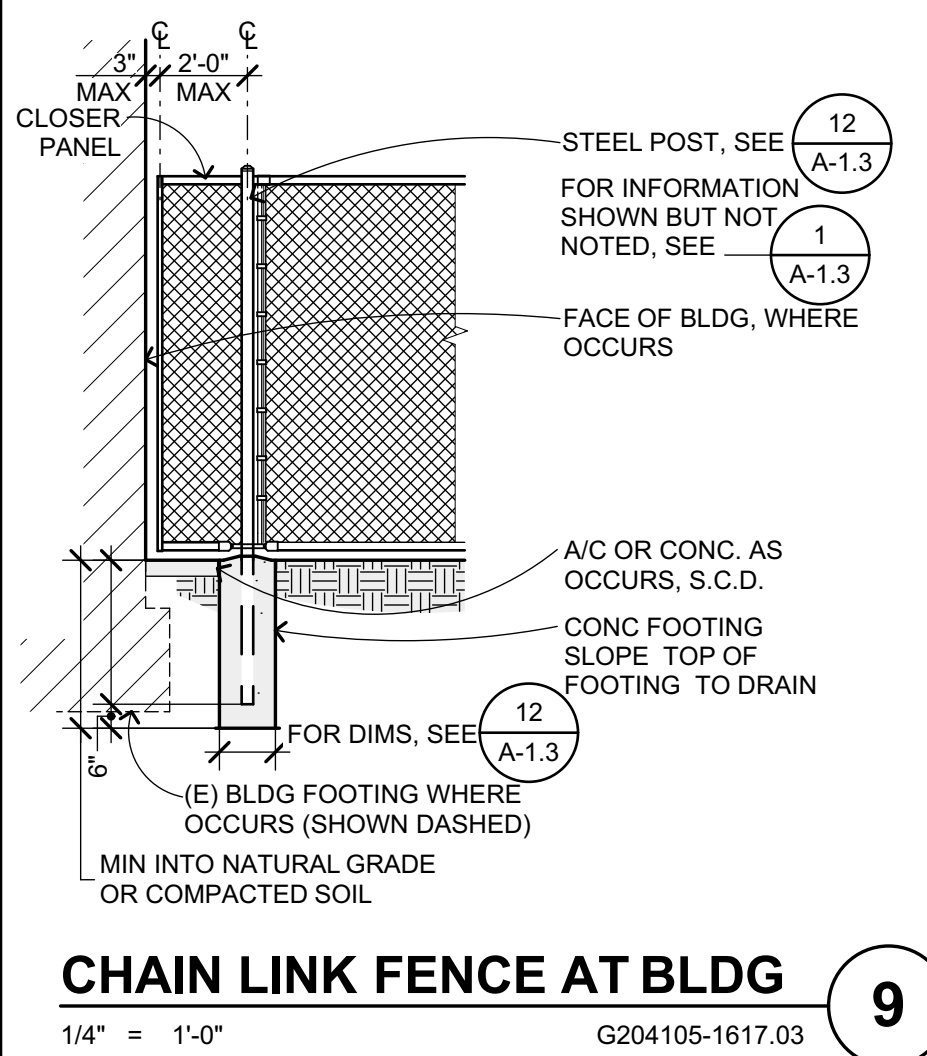
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ENLARGED PLANS

SHEET NUMBER

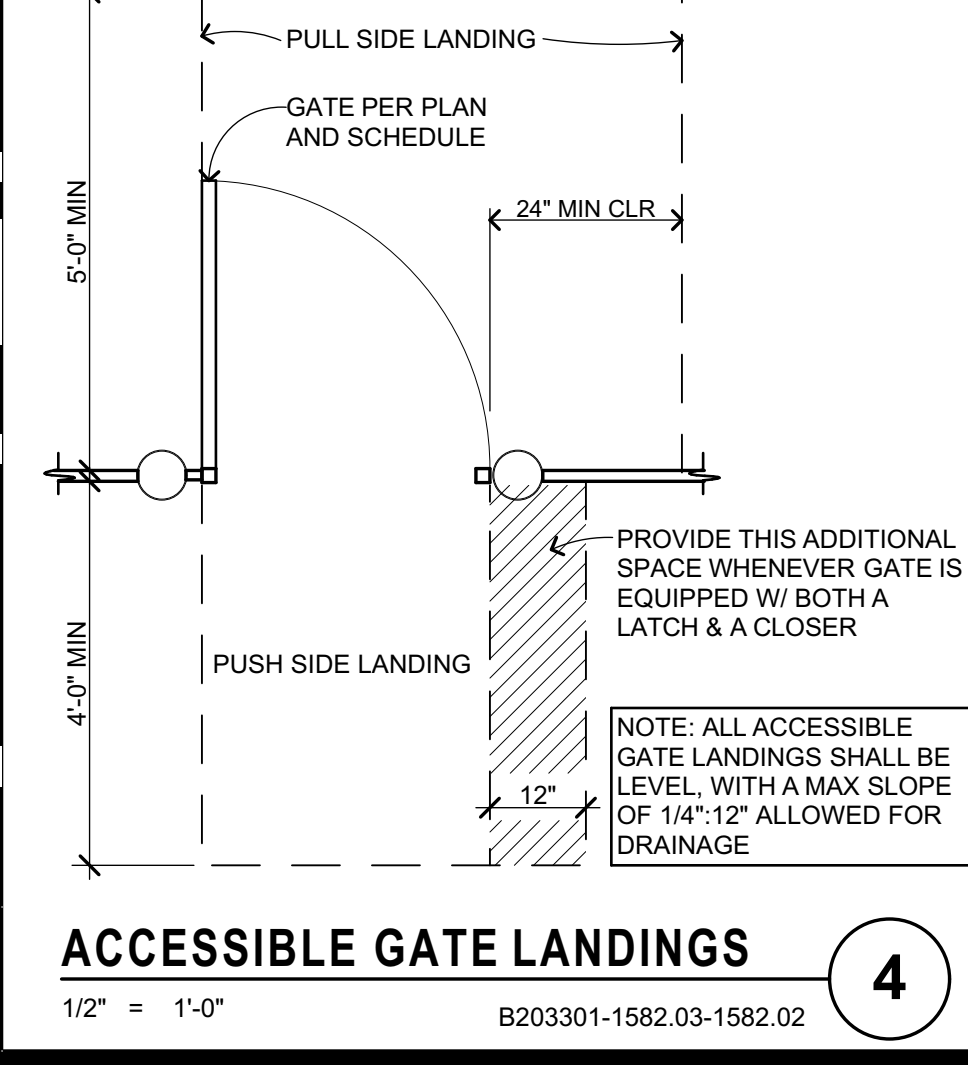
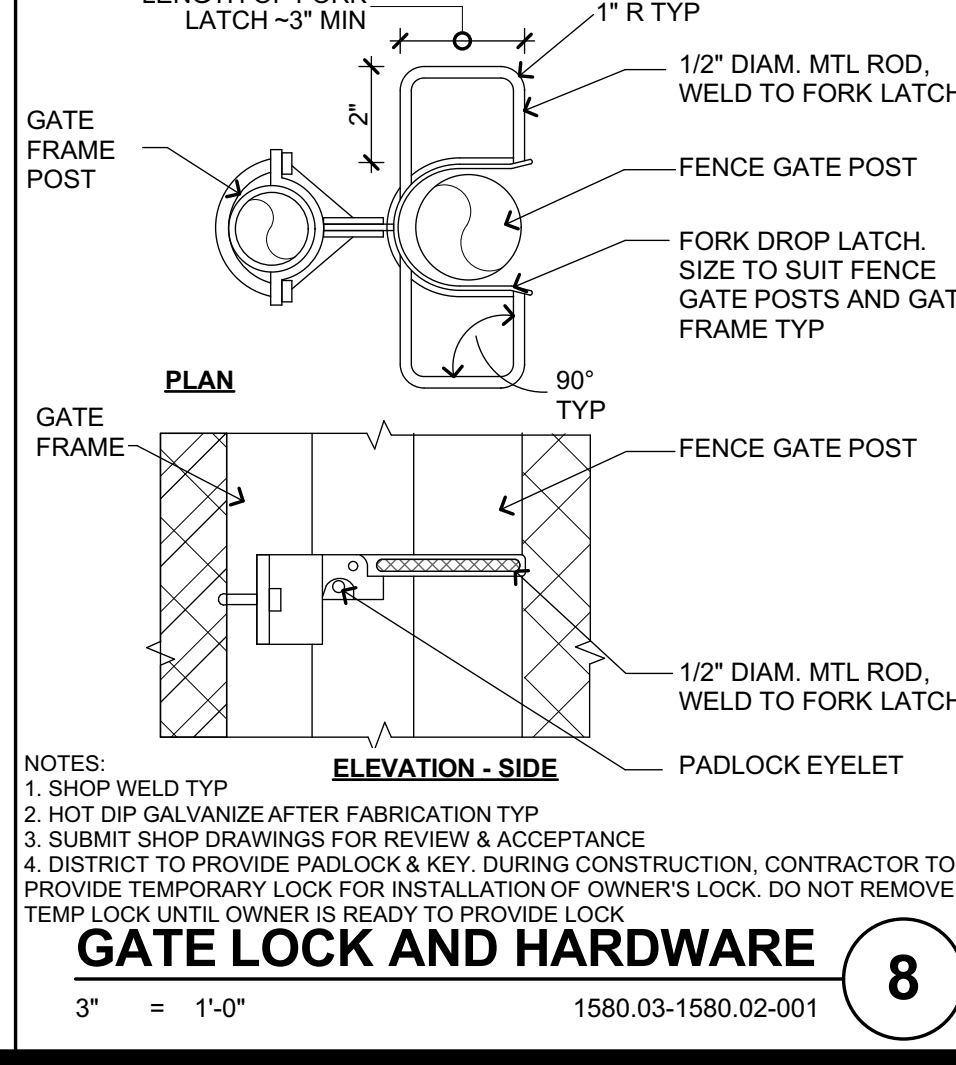
A-1.2

P:\1580.03 - Perimeter Fencing ACLC-NEA 1900 3rd st. AUDSDDrawings\04-CD\1580.03 Perimeter Fencing ACLC-NEA 22.pln:5/27/2021 12:36 PM



FENCE FOOTING SCHEDULE						
TYPE	HEIGHT	MAX. SPACING	SLATS?	POST DIAMETER (in.)	FOOTING DIAMETER (in.)	FOOTING DEPTH (ft-in.)
LINE, TERMINAL, AND GATE POST	6'-0"	10'-0"	NO	2 3/8 in	12 in	3'-0"
TERMINAL AT CANTILEVER PANEL	6'-0"	10'-0"	NO	2 3/8 in	12 in	3'-6"
LINE, TERMINAL, AND GATE POST	10'-0"	10'-0"	NO	2 3/8 in	12 in	4'-0"
LINE, TERMINAL, AND GATE POST	10'-0"	8'-0"	YES	4 1/2 in	27 in	7'-0"

NOTE:
1. CONCRETE PIERS FOR POLES SUPPORTING OPEN MESH FENCES LESS THAN 35'-0" TALL ARE EXEMPT FROM STRUCTURAL TESTING AND SPECIAL INSPECTION PER THE DSA 103 FORM.



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1900 Third Street
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ALAMEDA UNIFIED
SCHOOL DISTRICT

DSA APP NO. 01-119358

ARCH PROJECT NO: 1580.03

DRAWN BY: HM

DRAWING SCALE: AS NOTED

PTN: 61119-120 FILE NO: 1-1

CD

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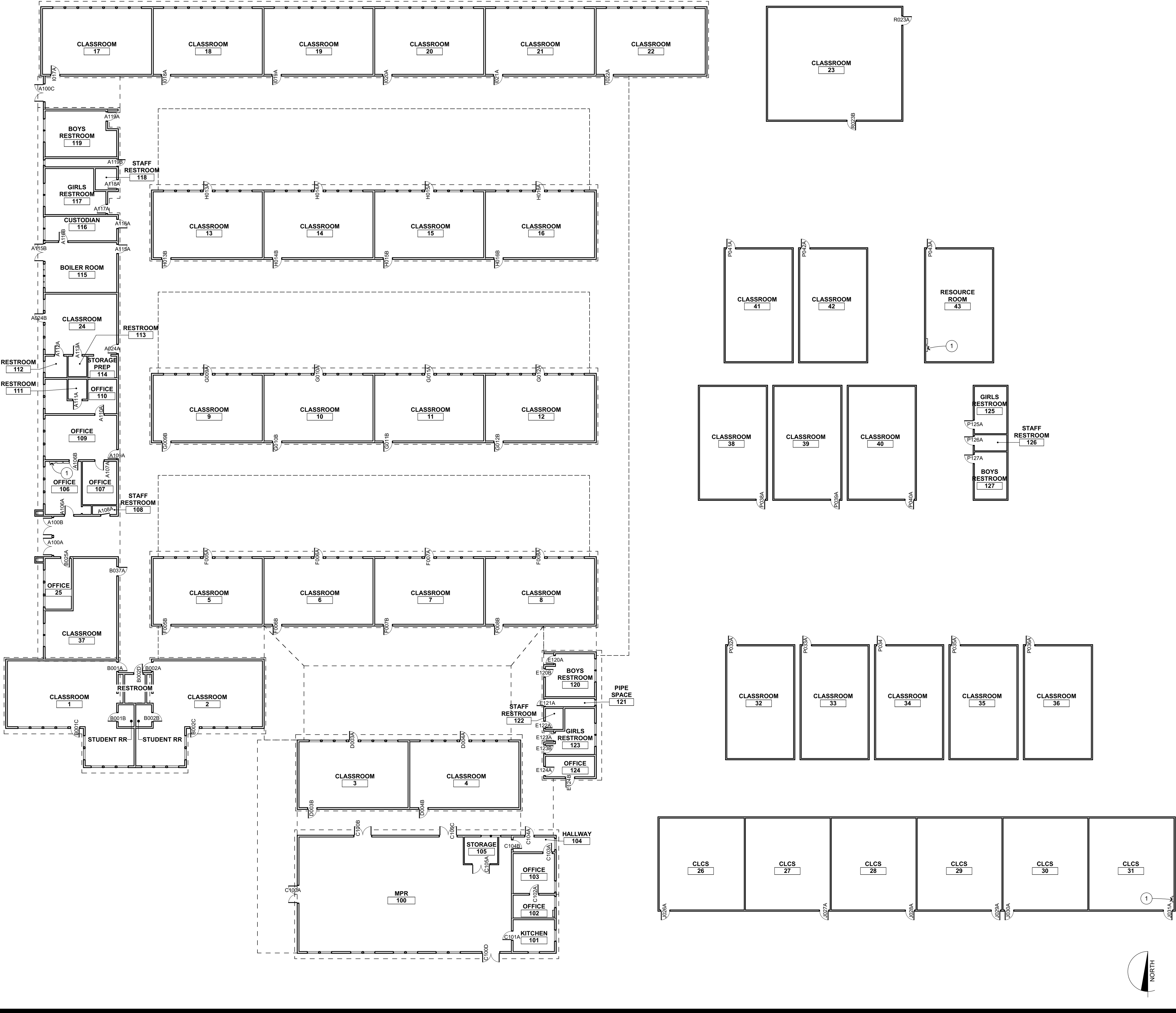
SHEET TITLE

SITE DETAILS

SHEET NUMBER

A-1.3

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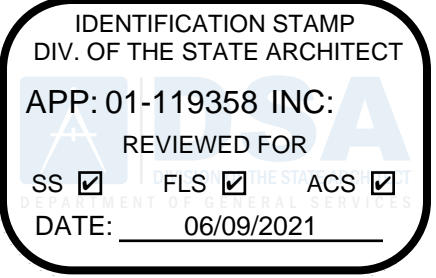
FLOOR PLAN KEYNOTES

NOT ALL KEYNOTES MAY APPLY TO THIS SHEET

- ① FIRE ALARM ITEM, S.E.D.

FLOOR PLAN GENERAL NOTES

- FOR SITE CONDITIONS SEE SITE PLAN SHEETS G-0.3, A-1.0 AND A-1.1
- FOR ELEVATIONS RELATIVE TO THE SITE, REFER TO CIVIL ENGINEERING DRAWINGS.
- REFER TO CIVIL ENGINEERING DRAWINGS AND SITE PLAN FOR SITE FEATURES NOT OTHERWISE INDICATED.
- (E) BUILDINGS TO REMAIN. SCOPE INCLUDES UPGRADES TO DOOR SECURITY HARDWARE AND FIRE ALARM UPGRADES.
- TO ACCOMPLISH THE FULL SCOPE OF WORK, ADDITIONAL WORK MAY BE REQUIRED BEYOND THE INDICATED WORK. REFER TO ALL CONSTRUCTION DOCUMENTS. ALL SUCH WORK SHALL BE PATCHED AND REPAIRED TO ORIGINAL CONDITION.



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DSA APP NO. 01-119358

ARCH PROJECT NO: 1580.03

DRAWN BY: HM

DRAWING SCALE: 1/16" = 1'-0"

PTN: 61119-120 FILE NO: 1-1

CD

MAY 25, 2021

SHEET TITLE

FLOOR PLAN

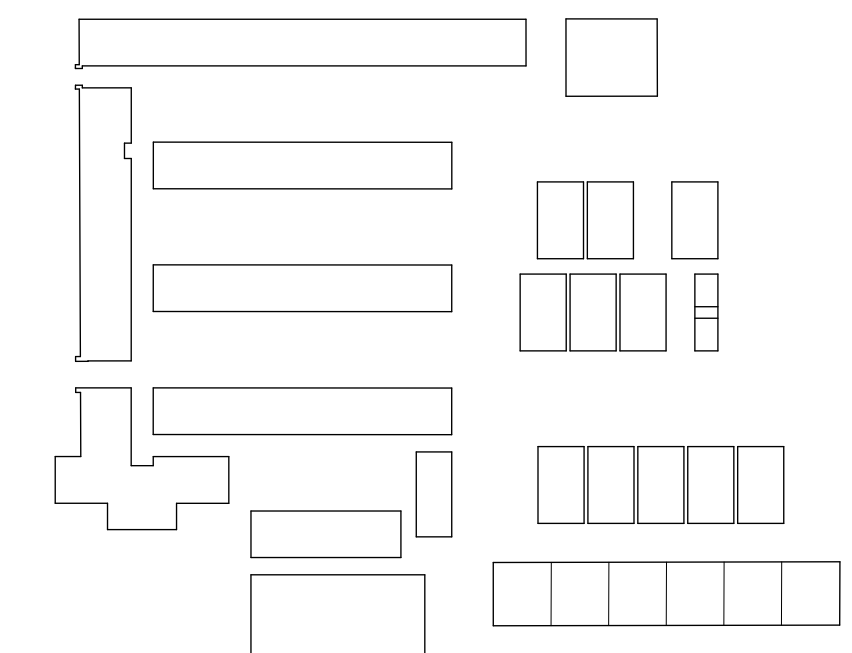
SHEET NUMBER

A-A2.1

WALL TYPE LEGEND

- (E) WOOD FRAMING
----- (E) BUILDING/WALKWAY OVERHANG TO REMAIN

KEYPLAN



P:\1580.03 - Perimeter Fencing ACLC-NEA_1900 3rd st. AUSD\Drawings\04-CD\1580.03 Perimeter Fencing ACLC-NEA_22.pln:5/27/2021 12:36 PM

DOOR SCHEDULE													DOOR SCHEDULE												
ID	TYPE	DOOR			FRAME			LOUVER SIZE	LABEL	HDWR	P. H.	REMARKS	ID	TYPE	DOOR			FRAME			LOUVER SIZE	LABEL	HDWR	P. H.	REMARKS
		SIZE	MAT	FIN	TYPE	MAT	FIN								SIZE	MAT	FIN	TYPE	MAT	FIN					
J026A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A024A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1		
J027A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A024B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1		
J028A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A100A	(E) C	PR - 3'-0" x 6'-8"	(E)	(E)	2	(E)	(E)		-	4	PH	
J029A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A100B	(E) C	PR - 3'-0" x 6'-8"	(E)	(E)	2	(E)	(E)		-	4	PH	
J030A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A100C	(E) C	PR - 3'-0" x 6'-8"	(E)	(E)	2	(E)	(E)		-	4	PH	
J031A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A106A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	3		
P032A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A106B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	3		
P033A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A107A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	3		
P034	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A108A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	7		
P035A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A109A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	3		
P036A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A110A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	3		
P038A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A111A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	7		
P039A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A112A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	6		
P040A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A113A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	6		
P041A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A115A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	2		
P042A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A115B	(E) C	PR - 3'-0" x 6'-8"	(E)	(E)	2	(E)	(E)		-	2		
P043A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	1			A116A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	2		
P125A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	7			A116B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	2		
P126A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	7			A117A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1		
P127A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	7			A118A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	7		
R023A	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	5	PH		A119A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1		
R023B	(E) A	3'-0" x 7'-0"	(E)	(E)	1	(E)	(E)		-	5	PH		A119B	(E) A	2'-4" x 6'-8"	(E)	(E)	1	(E)	(E)		-	2		
													B001A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	5	PH	
													B001B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	6		
													B001C	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	5	PH	
													B002A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	5	PH	
													B002B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	6		
													B002C	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	5	PH	
													B002D	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	7		
													B025A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	3		
													B037A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1		
													C100A	(E) A	PR - 3'-0" x 6'-8"	(E)	(E)	2	(E)	(E)		-	4	PH	
													C100B	(E) A	PR - 3'-0" x 6'-8"	(E)	(E)	2	(E)	(E)		-	4	PH	
													C100C	(E) A	PR - 3'-0" x 6'-8"	(E)	(E)	2	(E)	(E)		-	4	PH	
													C100D	(E) A	PR - 3'-0" x 6'-8"	(E)	(E)	2	(E)	(E)		-	4	PH	
													C101A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1		
													C102A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	3		
													C103A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	3		
													C104A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1		
													C104B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1		
													C105A	(E) A	PR - 3'-0" x 7'-0"	(E)	(E)	2	(E)	(E)		-	2		
D003B	(E) D	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
D004A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
D004B	(E) D	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
E120A	(E) A	2'-8" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
E120B	(E) A	2'-8" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
E121A	(E) B	2'-4" x 6'-8"	(E)	(E)	1	(E)	(E)	1'-0" x 1'-0"	-	2															
E122A	(E) B	2'-4" x 6'-8"	(E)	(E)	1	(E)	(E)	1'-0" x 1'-0"	-	7															
E123A	(E) A	2'-8" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
E123B	(E) A	2'-8" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
E124A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	3															
E124B	(E) B	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)	1'-0" x 1'-0"	-	3															
F005A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
F005B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
F006A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
F006B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
F007A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
F007B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
F008A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
F008B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
G009A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
G009B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
G010A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
G010B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
G011A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
G011B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
G012A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
G012B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
H013A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
H013B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
H014A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
H014B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
H015A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
H015B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
H016A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
H016B	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
I017A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
I018A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
I019A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
I020A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
I021A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															
I022A	(E) A	3'-0" x 6'-8"	(E)	(E)	1	(E)	(E)		-	1															

DOOR GENERAL NOTES												
1. ALL EXIT DOORS IN SCHOOL BUILDINGS, INCLUDING BUT NOT LIMITED TO DOORS OF TOILET ROOMS AND STORAGE ROOMS SHALL CONFORM TO CBC 1010. EXIT DOORS SHALL BE OPERABLE FROM THE INSIDE WITHOUT THE USE OF A KEY, OR SPECIAL KNOWLEDGE OR EFFORT.												
2. EXIT DEVICES (PANIC HARDWARE) SHALL BE INSTALLED IN CONFORMANCE WITH CBC 1010.1.10. PANIC HARDWARE IS REQUIRED FROM ROOMS AND CORRIDORS OF A OR E OCCUPANCY WHERE OCCUPANT LOAD EXCEEDS 50 PER CBC 1010.1.10												
3. ALL DOORS AT E OCCUPANCY WITH AN OCCUPANT LOAD GREATER THAN 5 SHALL BE LOCKABLE FROM THE INSIDE.												
4. DOORS WITH CLOSERS SHALL BE ADJUSTED TO PROVIDE MINIMUM DOOR CLOSER PERIOD OF FIVE SECONDS FROM A POSITION OF 90 DEGREES TO WITHIN 12 DEGREES OF THE DOOR LATCH, MEASURED FROM THE LEADING EDGE OF THE DOOR.												
5. MAXIMUM EFFORT TO OPERATE DOORS AND GATES SHALL NOT EXCEED 5 POUNDS APPLIED IN THE DIRECTION OF TRAVEL. REQUIRED FIRE DOORS SHALL HAVE A MAXIMUM OPERATING EFFORT NOT TO EXCEED 15 POUNDS. THESE FORCES DO NOT APPLY TO THE FORCE REQUIRED TO RETRACT LATCH BOLTS OR DISENGAGE OTHER DEVICES THAT HOLD THE DOOR OR GATE IN A CLOSED POSITION.												

Z101005

ELECTRICAL EQUIPMENT ANCHORAGE	
ELECTRICAL ANCHORAGE NOTES:	
ALL ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1616A.1.18 THROUGH 1616A.1.26 AND ASCE 7-10, CHAPTER 13, 26, AND 30.	
1. ALL PERMANENT EQUIPMENT AND COMPONENTS.	
2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER.	
3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS.	
THE FOLLOWING ELECTRICAL SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED CONDUIT.	
A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.	
B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM WALL.	
FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL. RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.	
ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE:	
ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-10 SECTION 13.3 AS DEFINED IN ASCE 7-10 SECTION 13.6.5.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1616A.1.24, 1616A.1.25, AND 1616A.1.26.	
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (eg. SMACNA OR OSHPD OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE SHALL BE AVAILABLE TO THE PROJECT PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.	
ELECTRICAL DISTRIBUTION SYSTEMS ARE:	
[X] - OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS.	
[] - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVAL (OPM #).	
LIGHT FIXTURES:	
ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LIGHT FIXTURE, PER ASTM E580, SECTION 5.3.1.	
SURFACE-MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO SEPARATE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER OR EXCEED 56 LB. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.	
LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.	
LIGHT FIXTURES WEIGHING GREATER THAN 10 LB. BUT LESS THAN OR EQUAL TO 56 LBS. MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE. EXCEPTION: ALL LIGHT FIXTURES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 56 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE AT EACH CORNER.	
ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) #12 GAGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR (4) TAUT #12 GAGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE.	

GENERAL DEMOLITION NOTES	
1. THE CONTRACTOR SHALL VERIFY IN THE FIELD ALL LINES, LEVELS, DIMENSIONS AND EXISTING CONDITIONS. THE INFORMATION ON THE DRAWINGS REGARDING EXISTING ELECTRICAL EQUIPMENT AND BRANCH CIRCUITS IS THE RESULT OF FIELD SURVEY AND IS ACCURATE TO THE BEST OF OUR KNOWLEDGE. IT IS INTENDED, HOWEVER, AS A GUIDE FOR USE IN VERIFICATION ONLY.	
2. ANY EXISTING ELECTRICAL EQUIPMENT IN THE AREA OF NEW CONSTRUCTION NOT SHOWN ON THE EXISTING PLANS SHALL BE DOCUMENTED AND SUBMITTED TO THE ENGINEER FOR DETERMINATION OF ACTION REQUIRED.	
3. WHEREVER THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS TO BE REMOVED, THE CONDUIT AND WIRE BACK TO THE PANEL SHALL BE ENTIRELY REMOVED AND THE CIRCUIT IN PANEL SHALL BE MARKED "SPARE". THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.	
4. WHEREVER THE REMOVAL OF EXISTING ELECTRICAL EQUIPMENT IS CALLED FOR AND ALL EQUIPMENT ON A PARTICULAR BRANCH CIRCUIT IS NOT TO BE REMOVED, THE CIRCUIT SHALL BE MAINTAINED CONTINUOUS TO THE EXISTING EQUIPMENT IN USE WITH MINIMUM INTERRUPTIONS OF POWER. THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT, AND WIRE AS WELL.	
5. WHENEVER THE REMOVAL OF EXISTING CONSTRUCTION REVEALS ELECTRICAL WORK THAT IS TO REMAIN, BUT IS IN CONFLICT WITH NEW CONSTRUCTION, RELOCATE THE EXISTING ELECTRICAL WORK AS NECESSARY TO AVOID ANY CONFLICT. RELOCATION WORK SHALL BE DONE TO MINIMIZE ANY INTERRUPTIONS OF POWER.	
6. CARE SHALL BE TAKEN IN ORDER TO IDENTIFY AND PROTECT ALL EXISTING ELECTRICAL WORK THAT IS TO REMAIN.	
7. ENSURE RECONNECTION OF EXISTING DEVICES WHOSE CIRCUITS HAVE BEEN INTERRUPTED BY DEMOLITION BY PROVIDING NEW CONNECTION TO ANOTHER EXISTING TO REMAIN DEVICE OR PANEL.	
8. ALL EXISTING ELECTRICAL EQUIPMENT SHOWN ON THE PLANS FOR NEW WORK ARE THOSE WHICH ARE TO BE REUSED DURING SOME PHASE OF THE NEW CONSTRUCTION OR REQUIRE SOME SPECIAL CONSIDERATIONS.	
9. WHENEVER THE REMOVAL OF EXISTING ELECTRICAL PANELBOARDS ARE CALLED FOR AND ALL EXISTING BRANCH CIRCUITS ARE NOT TO BE REMOVED, THE EXISTING BRANCH CIRCUITS SHALL BE CONNECTED TO OTHER EXISTING ELECTRICAL EQUIPMENT OR PANELS STILL IN USE WITH MINIMUM INTERRUPTIONS OF POWER. ALSO, IF REQUIRED, THESE SAME BRANCH CIRCUITS SHALL BE RECONNECTED TO RELOCATED EXISTING OR NEW PANELBOARDS AS PART OF THE NEW CONSTRUCTION. THIS APPLIES TO SIGNAL AND COMMUNICATIONS SYSTEMS EQUIPMENT, CONDUIT AND WIRE AS WELL.	
10. THE ELECTRICAL CONTRACTOR SHALL REVISE EXISTING PANEL SCHEDULES TO CORRESPOND TO ACTUAL CONDITIONS AFTER ALL DEMOLITION AND NEW WORK IS COMPLETED.	
11. REMOVE ALL ABANDONED CONDUIT AND WIRE ABOVE CEILINGS.	
12. WHEN ELECTRICAL EQUIPMENT OR DEVICE IS REMOVED FROM AN EXISTING WALL OR CEILING WHICH IS TO REMAIN, PATCH ABANDONED OPENINGS TO MATCH EXISTING FINISH.	
13. IN GENERAL, THE DEMOLITION PLANS SHOW ALL EXISTING EQUIPMENT THAT IS TO BE REMOVED UNLESS NOTED OTHERWISE. HOWEVER, ELECTRICAL EQUIPMENT, WHETHER SHOWN ON THIS DRAWING OR NOT, WHERE SCHEDULED IN THE AS-BUILT TO BE DEMOLISHED, SHALL BE REMOVED COMPLETELY (INCLUDING CONDUIT AND WIRES BACK TO THE LAST REMAINING FIXTURE, OUTLET, DEVICE, ETC.) UNLESS OTHERWISE NOTED. COORDINATE DEMOLITION WORK WITH ARCHITECT AND GENERAL CONTRACTOR.	
14. EXISTING CONDUIT FEEDS UP THROUGH FLOOR SHALL BE CUT OFF AND PLUGGED FLUSH WITH FLOOR WHERE EXISTING WALLS, ETC., ARE REMOVED. REMOVE CONDUCTORS FROM THE POINT BACK TO LAST OUTLET REMAINING IN SERVICE.	
15. IT SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR TO MAINTAIN CONTINUITY OF ALL ELECTRICAL SYSTEMS, EQUIPMENT, ETC. REMAINING IN OPERATION WHICH IS BEING FED BY AN ABANDONED OUTLET. MAINTAINING CONTINUITY SHALL CONSIST OF REROUTING OF CONDUIT, WIRE, ETC. AS REQUIRED.	
16. IT SHALL BE THIS CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF EXISTING CIRCUITS AND ADJUST CIRCUIT NUMBERS ACCORDING TO EXISTING CONDITIONS IF REQUIRED.	
17. THE ELECTRICAL CONTRACTOR SHALL COORDINATE WITH THE OWNER PRIOR TO REMOVAL OF EXISTING ELECTRICAL EQUIPMENT AND TURN OVER REMOVED EQUIPMENT THAT THE OWNER REQUESTS, IN AS-FOUND CONDITION. EQUIPMENT THAT IS TO BE TURNED OVER SHALL BE BOXED AND TAGGED TO IDENTIFY THE SPECIFIC EQUIPMENT. EQUIPMENT TO BE TEMPORARILY REMOVED DUE TO THE CONSTRUCTION SHALL BE CLEANED AND BE INSTALLED IN ITS ORIGINAL CONDITION OR AS REQUIRED.	
18. WHERE EXISTING WALLS HAVE BEEN REMOVED, AND THERE ARE EXISTING CONDUIT FEEDS WHICH HAVE BEEN CUT OFF AND CAPPED FLUSH WITH THE FLOOR, IT IS THE CONTRACTOR'S RESPONSIBILITY TO IDENTIFY AND DIMENSION ALL SUCH CONDUITS ON THE "AS-BUILT" DRAWINGS.	
19. IF ANY EQUIPMENT THAT IS SCHEDULED TO REMAIN IN OPERATION IS DAMAGED BY THE CONTRACTOR, IT SHALL BE REPLACED TO ITS ORIGINAL CONDITION SATISFACTORY TO THE OWNER AT CONTRACTOR'S EXPENSE.	

SYMBOLS LIST	
	FIRE ALARM SYSTEM END-OF-LINE RESISTOR
	FIRE ALARM CONTROL PANEL
	FIRE ALARM ANNUNCIATOR PANEL
	WEATHERPROOF ENCLOSURE
	CONDUIT AND WIRE CONCEALED IN CEILING OR WALL
	CONDUIT AND WIRE CONCEALED IN OR UNDER SLAB OR UNDERGROUND
	CONDUIT AND WIRE RUN EXPOSED
	CROSSMARKS INDICATE QUANTITY OF #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR (INCLUDED BUT NOT INDICATED), NO HASHMARKS INDICATES (2) #12 CONDUCTORS PLUS PARITY SIZED GROUND CONDUCTOR, U.O.N.
	GROUND WIRE
	WIRE SIZE 10 AWG FOR ALL CONDUCTORS, INCLUDING GROUND WIRE, THROUGHOUT THE COMPLETE CIRCUIT
	FLEXIBLE METALLIC CONDUIT
	HOMERUN TO PANELBOARD OR TERMINAL BOARD, AS NOTED ON PLANS
	COMPLETE CONNECTION OF EQUIPMENT
	CONDUIT STUBBED OUT, CAPPED AND MARKED
	CONDUIT TURNED UP
	CONDUIT TURNED DOWN
	DETAIL DESIGNATION - SEE DETAIL 3, SHEET E-6
	NUMBERED SHEET NOTE
	UTILITY METER
	CURRENT TRANSFORMERS
	CIRCUIT BREAKER. NUMBER INDICATES 30A 3-POLE
	FEEDER SIZE - SEE POWER SINGLE LINE DIAGRAMS & FEEDER SCHEDULE

	ALL LIGHT FIXTURES SHALL BE POSITIVELY ATTACHED TO THE CEILING SUSPENSION SYSTEMS BY MECHANICAL MEANS TO RESIST A HORIZONTAL FORCE EQUAL TO THE WEIGHT OF THE FIXTURE. A MINIMUM OF TWO SCREWS OR APPROVED FASTENERS ARE REQUIRED AT EACH LIGHT FIXTURE, PER ASTM E580, SECTION 5.3.1.
	SURFACE-MOUNTED LIGHT FIXTURES SHALL BE ATTACHED TO THE MAIN RUNNER WITH AT LEAST TWO SEPARATE CLAMPING DEVICES. THE CLAMPING DEVICE SHALL COMPLETELY SURROUND THE SUPPORTING CEILING RUNNER AND BE MADE OF STEEL WITH A MINIMUM THICKNESS OF #14 GAGE. ROTATIONAL SPRING CATCHES DO NOT COMPLY. A #12 GAGE SLACK SAFETY WIRE SHALL BE CONNECTED FROM EACH CLAMPING DEVICE TO THE STRUCTURE ABOVE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE EIGHT (8) FEET OR LONGER OR EXCEED 56 LB. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED EIGHT (8) FEET.
	LIGHT FIXTURES WEIGHING LESS THAN OR EQUAL TO 10 LB. SHALL HAVE A MINIMUM OF ONE (1) #12 GAGE SLACK SAFETY WIRE CONNECTED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE.
	LIGHT FIXTURES WEIGHING GREATER THAN 10 LB. BUT LESS THAN OR EQUAL TO 56 LBS. MAY BE SUPPORTED DIRECTLY ON THE CEILING RUNNERS, BUT THEY SHALL HAVE A MINIMUM OF TWO (2) #12 GAGE SLACK SAFETY WIRES CONNECTED FROM THE FIXTURE HOUSING AT DIAGONAL CORNERS TO THE STRUCTURE ABOVE. EXCEPTION: ALL LIGHT FIXTURES GREATER THAN TWO BY FOUR FEET WEIGHING LESS THAN 56 LBS. SHALL HAVE A #12 GAGE SLACK SAFETY WIRE AT EACH CORNER.
	ALL LIGHT FIXTURES WEIGHING GREATER THAN 56 LB. SHALL BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN FOUR (4) #12 GAGE HANGER WIRES (ONE AT EACH CORNER) ATTACHED FROM THE FIXTURE HOUSING TO THE STRUCTURE ABOVE OR OTHER APPROVED HANGERS. THE FOUR (4) TAUT #12 GAGE WIRES OR OTHER APPROVED HANGERS, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, SHALL BE CAPABLE OF SUPPORTING FOUR (4) TIMES THE WEIGHT OF THE FIXTURE.

ABBREVIATIONS	
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
C	CONDUIT
CAV	CABLE TV
CO	CONDUIT ONLY
CU	COPPER
EC	ELECTRICAL CONTRACTOR
E	EMERGENCY LIGHT FIXTURE ON EMERGENCY GENERATOR OR INVERTER, SWITCHABLE, U.O.N.
EM	EMERGENCY LIGHT FIXTURE WITH BATTERY PACK, SWITCHABLE
EMS	ENERGY MANAGEMENT SYSTEM
(E)	EXISTING
EQPT	EQUIPMENT
(ER)	EXISTING EQUIPMENT TO BE RELOCATED
(EX)	EXISTING EQUIPMENT TO BE DISCONNECTED AND REMOVED
EXT	EXTERIOR
FMC	FLEXIBLE METALLIC CONDUIT
FTL	FEED THROUGH LUGS
GFI	GROUND FAULT CIRCUIT INTERRUPTING TYPE RECEPTACLE
IDF	INTERMEDIATE DISTRIBUTION FRAME
L	LOCKABLE
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MDF	MAIN DISTRIBUTION FRAME
MFR	MANUFACTURER
MLO	MAIN LUGS ONLY
MTD	MOUNTED
(N)	NEW
N.E.C.	NATIONAL ELECTRICAL CODE
NEU	NEUTRAL
N.I.E.C.	NOT IN ELECTRICAL CONTRACT
O.A.H.	OVERALL HEIGHT
O.F.C.I.	OWNER FURNISHED, CONTRACTOR INSTALLED
P	INDICATES FIXTURES ON PHOTOCELL CONTROL
PA	PUBLIC ADDRESS
PNL	PANEL
S.A.D.	SEE ARCHITECTURAL DRAWINGS
STC	SIGNAL TERMINAL CABINET
TC	INDICATES FIXTURES ON TIMECLOCK CONTROL
TELE	TELEPHONE
TVSS	TRANSIENT VOLTAGE SURGE SUPPRESSION
U.O.N.	UNLESS OTHERWISE NOTED
VAV	VAV BOX; SEE MECHANICAL DIVISION DRAWINGS FOR LOCATIONS. PROVIDE TOGGLE TYPE DISCONNECT SWITCH
WP	WEATHER PROOF, NEMA 3R
WPU	WEATHER PROOF WHILE IN USE

SYMBOLS LIST	
	MAIN SWITCHBOARD, DISTRIBUTION PANEL OR MOTOR CONTROL CENTER
	FLUSH MOUNTED PANELBOARD, 6'-6" TO TOP
	SURFACE MOUNTED PANELBOARD, 6'-6" TO TOP
	CONCRETE PULLBOX, SIZE AS REQUIRED OR SHOWN - CHRISTY OR EQUAL WITH LABELED LID PER USE
	COPPER GROUND ROD
	FLUSH CEILING MOUNTED JUNCTION BOX, U.O.N.
	FLUSH WALL MOUNTED JUNCTION BOX, UP 18" U.O.N.
	JUNCTION BOX FLUSH FLOOR MOUNTED
	20A 3PG 125V DUPLEX RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, GROUND FAULT CIRCUIT INTERRUPTER TYPE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, ISOLATED GROUND TYPE, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, TAMPER RESISTANT, UP 18" U.O.N.
	20A 3PG 125V DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
	20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V DOUBLE DUPLEX RECEPTACLE, MOUNTED ABOVE COUNTER, U.O.N.
	20A 3PG 125V SINGLE RECEPTACLE, UP 18" U.O.N.
	20A 3PG 125V SINGLE TWISTLOCK RECEPTACLE, NEMA 15-20R, UP 18" U.O.N.
	SPECIAL RECEPTACLE AS INDICATED ON PLANS
	CONTROLLED AND IDENTIFIED (SPLIT-WIRED) DUPLEX RECEPTACLE, WITH ONE HALF OF RECEPTACLE WIRED THROUGH LOCAL PLUG-LOAD CONTROLLER, UP 18" U.O.N.
	CONTROLLED DUPLEX RECEPTACLE WIRED THROUGH LOCAL PLUG-LOAD CONTROLLER, UP 18" U.O.N.
	LINE VOLTAGE THERMOSTAT, PROVIDED & INSTALLED BY ELECTRICAL, CONNECTED COMPLETE BY MECHANICAL
	SURFACE MOUNTED WIREMOLD RACEWAY WITH RECEPTABLES AS INDICATED ON PLANS
	TERMINAL MOUNTING BACKBOARD, 3/4" PLYWOOD, DIMENSIONS AS NOTED ON PLANS, PAINT TO MATCH ADJACENT WALL SURFACE, MAINTAINING U.F.I. FIRE LABEL VISIBLE
	FIRE ALARM SYSTEM MANUAL PULL STATION, UP 48" U.O.N.
	FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	WEATHERPROOF FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM HORN/STROBE, CEILING MOUNTED. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM STROBE, CEILING MOUNTED. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	WEATHERPROOF FIRE ALARM SYSTEM HORN, UP 90" U.O.N.
	FIRE ALARM SYSTEM SPEAKER/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM SPEAKER/STROBE, CEILING MOUNTED. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM SPEAKER, UP 90" U.O.N.
	WEATHERPROOF FIRE ALARM SYSTEM SPEAKER, UP 90" U.O.N.
	FIRE ALARM SYSTEM SPEAKER, CEILING MOUNTED
	WALL MOUNTED ELECTROMAGNETIC DOOR HOLD-OPEN DEVICE, FURNISHED BY DIV. 8, INSTALLED & CONNECTED COMPLETE TO FIRE ALARM SYSTEM BY DIV. 28
	FIRE ALARM SYSTEM SMOKE DETECTOR
	FIRE ALARM SYSTEM CEILING MOUNTED SMOKE DETECTOR PROGRAMMED FOR AUTOMATIC RECALL OF ELEVATOR
	FIRE ALARM SYSTEM HEAT DETECTOR
	FIRE ALARM SYSTEM HVAC DUCT MOUNTED SMOKE DETECTOR, COORDINATE WITH MECHANICAL FOR SUPPLY, INSTALL AND COMPLETE CONNECTION (INCLUDING CONTROL OF HVAC EQUIPMENT) - SEE SPECIFICATIONS
	FIRE ALARM SYSTEM MONITOR MODULE
	FIRE ALARM SYSTEM CONTROL MODULE
	FIRE ALARM SYSTEM RELAY MODULE

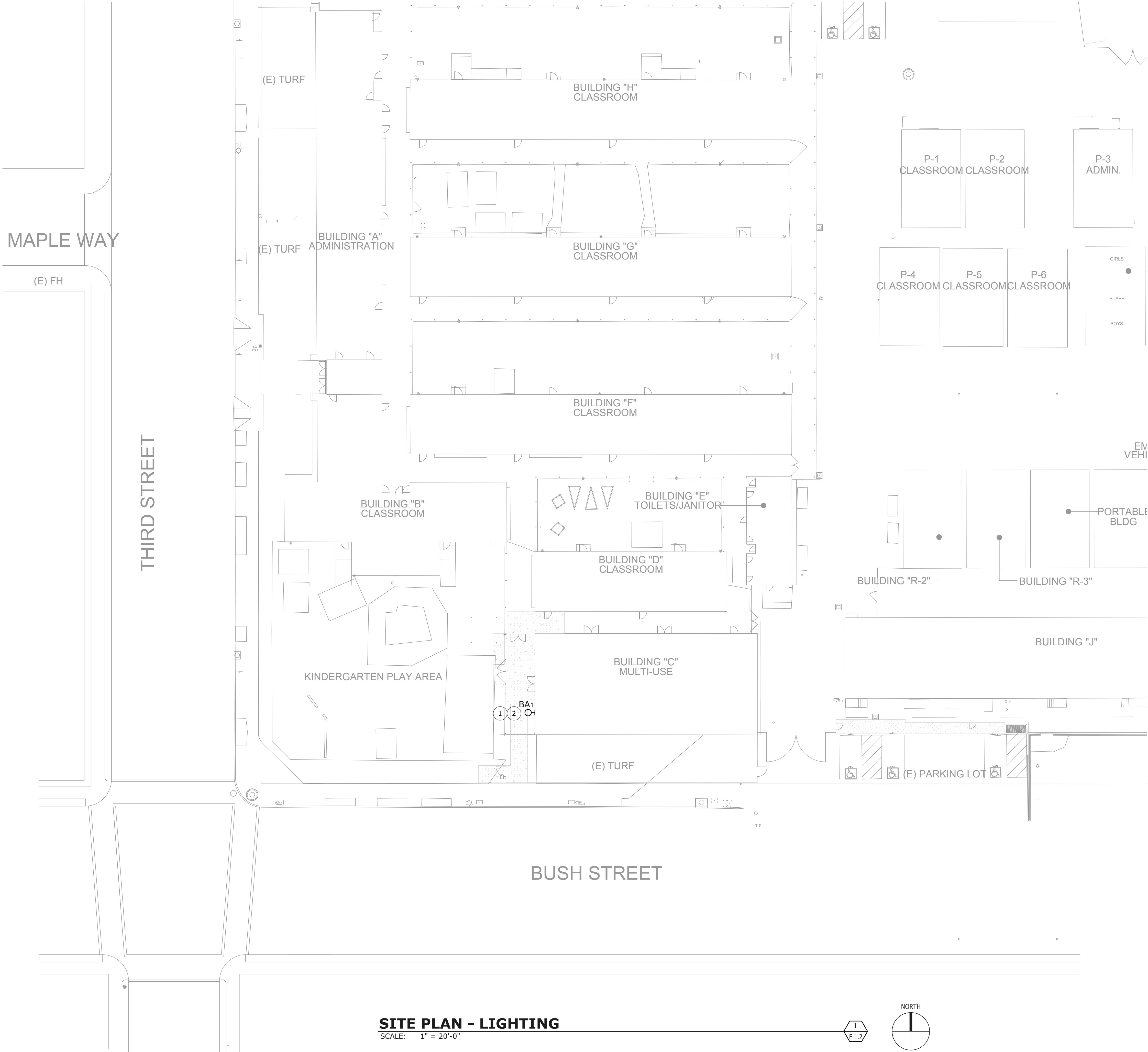
	FIRE ALARM SYSTEM MANUAL PULL STATION, UP 48" U.O.N.
	FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	WEATHERPROOF FIRE ALARM SYSTEM HORN/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM HORN/STROBE, CEILING MOUNTED. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM STROBE, CEILING MOUNTED. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	WEATHERPROOF FIRE ALARM SYSTEM HORN, UP 90" U.O.N.
	FIRE ALARM SYSTEM SPEAKER/STROBE, UP 80" U.O.N. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM SPEAKER/STROBE, CEILING MOUNTED. NUMBER ADJACENT INDICATES CANDELA VALUE FOR STROBE
	FIRE ALARM SYSTEM SPEAKER, UP 90" U.O.N.
	WEATHERPROOF FIRE ALARM SYSTEM SPEAKER, UP 90" U.O.N.
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	WALL MOUNTED ELECTROMAGNETIC DOOR HOLD-OPEN DEVICE, FURNISHED BY DIV. 8, INSTALLED & CONNECTED COMPLETE TO FIRE ALARM SYSTEM BY DIV. 28
	FIRE ALARM SYSTEM SMOKE DETECTOR
	FIRE ALARM SYSTEM CEILING MOUNTED SMOKE DETECTOR PROGRAMMED FOR AUTOMATIC RECALL OF ELEVATOR
	FIRE ALARM SYSTEM HEAT DETECTOR
	FIRE ALARM SYSTEM HVAC DUCT MOUNTED SMOKE DETECTOR, COORDINATE WITH MECHANICAL FOR SUPPLY, INSTALL AND COMPLETE CONNECTION (INCLUDING CONTROL OF HVAC EQUIPMENT) - SEE SPECIFICATIONS
	FIRE ALARM SYSTEM MONITOR MODULE
	FIRE ALARM SYSTEM CONTROL MODULE
	FIRE ALARM SYSTEM RELAY MODULE

	LINE VOLTAGE SINGLE POLE TOGGLE SWITCH, LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
	LINE VOLTAGE TWO POLE TOGGLE SWITCH, UP 48" U.O.N.
	LINE VOLTAGE THREE-WAY TOGGLE SWITCH, UP 48" U.O.N.
	LINE VOLTAGE KEY OPERATED TOGGLE SWITCH
	LINE VOLTAGE MOTOR RATED TOGGLE SWITCH INSTALLED AT EQPT SHOWN
	LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT, LIGHT IS ON WHEN CIRCUIT IS CLOSED, UP 48" U.O.N.
	LOW VOLTAGE MOMENTARY CONTACT SWITCH - SEE LOW VOLTAGE RELAY SCHEDULE, LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
	LOW VOLTAGE KEYED MOMENTARY CONTACT SWITCH - SEE LOW VOLTAGE RELAY SCHEDULE, LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
	WALL MOUNTED SWITCH TYPE INFRARED OCCUPANCY SENSOR; UP 48" U.O.N.; SINGLE OR DUAL AS NOTED BY LETTERS ADJACENT. SET TO FIXED 20 MINUTE TIME DELAY AND MAX SENSITIVITY
	WALL MOUNTED DUAL TECHNOLOGY OCCUPANCY SENSOR; UP 48" U.O.N.; SINGLE OR DUAL AS NOTED BY LETTERS ADJACENT. SET TO FIXED 20 MINUTE TIME DELAY AND MAX SENSITIVITY
	WALL MOUNTED DIGITAL DUAL TECHNOLOGY DIMMING OCCUPANCY SENSOR SWITCH; UP 48" U.O.N.
	WALL MOUNTED DIGITAL SWITCH, UP 48" U.O.N.; LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED
	WALL MOUNTED SINGLE OR MULTI-ZONE DIGITAL DIMMER SWITCH, UP 48" U.O.N.; LOWER CASE LETTERS ADJACENT INDICATE RESPECTIVE ZONES TO BE SIMULTANEOUSLY MANUALLY CONTROLLED; NUMERICAL DESIGNATES NUMBER OF ZONES ASSIGNED TO THE DEVICE
	CEILING MOUNTED DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR
	WALL MOUNTED DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR
	LOW VOLTAGE COLD TEMPERATURE PIR OCCUPANCY SENSOR
	CEILING MOUNTED LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR
	SINGLE OR MULTI-ZONE SWITCHING OR DIMMING OPEN LOOP DIGITAL DAYLIGHTING SENSOR; NOTATIONS ADJACENT IDENTIFY DAYLIGHT ZONES ASSIGNED TO THE DEVICE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
	SINGLE ZONE SWITCHING OR DIMMING CLOSED LOOP DIGITAL DAYLIGHTING SENSOR; NOTATIONS ADJACENT IDENTIFY DAYLIGHT ZONES ASSIGNED TO THE DEVICE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
	DAYLIGHT CONTROL PHOTOCELL - BRACKET MOUNTED; NOTATIONS ADJACENT IDENTIFY DAYLIGHT ZONES ASSIGNED TO THE DEVICE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
	INDICATES DAYLIGHT ZONE CONTROLLED VIA PHOTOCELL
	ROOM CONTROLLER
	ADJACENT NUMERAL REFERS TO THE NUMBER OF ZONES TO BE CONTROLLED. VENDOR OR CONTRACTOR TO PROVIDE QUANTITY OF ROOM CONTROLLERS REQUIRED FOR THE NUMBER OF CONTROLLED ZONES.
	PLUG LOAD ROOM CONTROLLER
	NETWORK BRIDGE
	MASTER WIRELESS BORDER ROUTER & NB - SWITCH IN NETWORK CABINET; SEE DETAILS FOR TYPE
	SECONDARY WIRELESS BORDER ROUTER
	ISOLATED RELAY INTERFACE
	EMERGENCY LIGHTING CONTROL MODULE
	OCCUPANCY SENSOR POWER PACK MOUNTED IN CONCEALED ACCESSIBLE LOCATION

CALIFORNIA GREEN BUILDING STANDARDS COMPLIANCE

ALL EXTERIOR LUMINAIRES SPECIFIED IN THESE CONTRACT DOCUMENTS COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE AND THE CALIFORNIA GREEN BUILDING STANDARDS CODE, SECTION A5.106.8 LIGHT POLLUTION REDUCTION. EXTERIOR LUMINAIRES COMPLY WITH BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS AS DEFINED IN IES TM-15-11 AND BUG RATINGS DO NOT EXCEED THE MAXIMUM ALLOWABLE RATINGS FOR THIS PROJECT.

SYMBOLS LIST	
ALL SWITCH AND CONTROL MOUNTING HEIGHTS OF 48" SHALL BE TO TOP OF THE DEVICE BOX. ALL RECEPTABLES WITH MOUNTING HEIGHT OF UP TO 18" SHALL BE NO LOWER THAN 15" TO BOTTOM OF THE DEVICE BOX, TYPICAL, U.O.N.	
	INDICATES LUMINAIRE TYPE, SEE LUMINAIRE SCHEDULE
	RECESSED 2'x2', 2'x4' OR 1'x4' LUMINAIRE, FULLY LENSED
	RECESSED 2'x2', 2'x4' LUMINAIRE WITH DECORATIVE ARTICULATED OPTICAL SHIELD
	INDICATES EMERGENCY LUMINAIRE. SEE ABBREVIATIONS FOR TYPE OF EMERGENCY SOURCE
	SUSPENDED LINEAR LUMINAIRE
	INDICATES AIRCRAFT CABLE SUPPORT POINT (VERIFY WITH MANUFACTURER)
	INDICATES COMBINATION AIRCRAFT CABLE/ELECTRICAL FEED POINT (VERIFY WITH MANUFACTURER)
	SURFACE CEILING, WALL OR COVE MOUNTED LUMINAIRE
	UNDER CABINET LUMINAIRE
	SURFACE OR SUSPENDED STRIP LUMINAIRE
	SURFACE CEILING MOUNTED LUMINAIRE
	PENDANT MOUNTED LUMINAIRE
	DECORATIVE CEILING MOUNTED LUMINAIRE
	SURFACE MOUNTED LIGHTING TRACK WITH TRACK LUMINAIRES
	RECESSED ADJUSTABLE ACCENT LUMINAIRE. ARROW INDICATES AIMING DIRECTION
	RECESSED DOWNLIGHT LUMINAIRE
	RECESSED WALLWASH LUMINAIRE
	RECESSED OR SURFACE MOUNTED LINEAR WALLWASHER, OPEN AREA INDICATES DIRECTION OF ILLUMINATION
	RECESSED DOWNLIGHT WITH DECORATIVE TRIM
	WALL MOUNTED LUMINAIRE
	STEP LIGHT RECESSED FLUSH IN WALL
	POLE ARM-MOUNTED AREA LUMINAIRE; ARROW INDICATES DIRECTION OF LIGHT DISTRIBUTION WHEN NOT PARALLEL TO ARM ORIENTATION
	POLE ARM-MOUNTED PEDESTRIAN-SCALE WALKWAY OR AREA LUMINAIRE; ARROW INDICATES DIRECTION OF LIGHT DISTRIBUTION
	POST-TOP PEDESTRIAN-SCALE AREA LUMINAIRE; ARROW INDICATES DIRECTION OF LIGHT DISTRIBUTION
	BOLLARD LUMINAIRE; ARROW INDICATES DIRECTION OF LIGHT DISTRIBUTION
	FLUSH IN-GROUND LANDSCAPE OR BUILDING UPLIGHT, NON-ADJUSTABLE AIMING
	FLUSH IN-GROUND LANDSCAPE OR BUILDING UPLIGHT WITH ADJUSTABLE AIMING FEATURE; ARROW INDICATES AIMING DIRECTION
	FLUSH IN-GROUND WALLWASH UPLIGHT; OPEN AREA INDICATES DIRECTION OF ILLUMINATION
	STEM MOUNTED SIGN LIGHT
	WALL MOUNTED EXIT SIGN, ARROWS AS NOTED ON PLANS. SHADED AREA INDICATES NUMBER OF FACES
	CEILING MOUNTED EXIT SIGN, ARROWS AS NOTED ON PLANS. SHADED AREA INDICATES NUMBER OF FACES
	LOW LEVEL WALL MOUNTED EXIT SIGN
	WALL MOUNTED EMERGENCY BATTERY EGRESS LUMINAIRE WITH NUMBER OF ADJUSTABLE LAMP HEADS INDICATED
	\$a LINE VOLTAGE SINGLE POLE TOGGLE SWITCH, LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
	\$2 LINE VOLTAGE TWO POLE TOGGLE SWITCH, UP 48" U.O.N.
	\$3 LINE VOLTAGE THREE-WAY TOGGLE SWITCH, UP 48" U.O.N.
	\$k LINE VOLTAGE KEY OPERATED TOGGLE SWITCH
	\$m LINE VOLTAGE MOTOR RATED TOGGLE SWITCH INSTALLED AT EQPT SHOWN
	\$p LINE VOLTAGE TOGGLE SWITCH WITH PILOT LIGHT, LIGHT IS ON WHEN CIRCUIT IS CLOSED, UP 48" U.O.N.
	Sab LOW VOLTAGE MOMENTARY CONTACT SWITCH - SEE LOW VOLTAGE RELAY SCHEDULE, LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
	kSab LOW VOLTAGE KEVED MOMENTARY CONTACT SWITCH - SEE LOW VOLTAGE RELAY SCHEDULE, LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED, UP 48" U.O.N.
	OS-3 WALL MOUNTED SWITCH TYPE INFRARED OCCUPANCY SENSOR; UP 48" U.O.N.; SINGLE OR DUAL AS NOTED BY LETTERS ADJACENT. SET TO FIXED 20 MINUTE TIME DELAY AND MAX SENSITIVITY
	OS-3 WALL MOUNTED DUAL TECHNOLOGY INFRARED OCCUPANCY SENSOR; UP 48" U.O.N.; SINGLE OR DUAL AS NOTED BY LETTERS ADJACENT. SET TO FIXED 20 MINUTE TIME DELAY AND MAX SENSITIVITY
	OS-3a WALL MOUNTED DIGITAL DUAL TECHNOLOGY DIMMING OCCUPANCY SENSOR SWITCH; UP 48" U.O.N.
	OS-3a WALL MOUNTED DIGITAL SWITCH, UP 48" U.O.N.; LOWER CASE LETTER ADJACENT INDICATES RESPECTIVE ZONE CONTROLLED
	OS-3a WALL MOUNTED SINGLE OR MULTI-ZONE DIGITAL DIMMER SWITCH, UP 48" U.O.N.; LOWER CASE LETTER ADJACENT INDICATE RESPECTIVE ZONES TO BE SIMULTANEOUSLY MANUALLY CONTROLLED; NUMERAL DESIGNATES NUMBER OF ZONES ASSIGNED TO THE DEVICE
	OS-3a CEILING MOUNTED DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR
	OS-3a WALL MOUNTED DUAL TECHNOLOGY DIGITAL OCCUPANCY SENSOR
	OS-3a LOW VOLTAGE COLD TEMPERATURE PIR OCCUPANCY SENSOR
	OS-3a CEILING MOUNTED LINE VOLTAGE DUAL TECHNOLOGY OCCUPANCY SENSOR
	OS-3a SINGLE OR MULTI-ZONE SWITCHING OR DIMMING OPEN LOOP DIGITAL DAYLIGHTING SENSOR; NOTATIONS ADJACENT IDENTIFY DAYLIGHT ZONES ASSIGNED TO THE DEVICE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
	OS-3a SINGLE ZONE SWITCHING OR DIMMING CLOSED LOOP DIGITAL DAYLIGHTING SENSOR; NOTATIONS ADJACENT IDENTIFY DAYLIGHT ZONES ASSIGNED TO THE DEVICE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
	OS-3a DAYLIGHT CONTROL PHOTOCELL - BRACKET MOUNTED; NOTATIONS ADJACENT IDENTIFY DAYLIGHT ZONES ASSIGNED TO THE DEVICE. VERIFY EXACT LOCATION PRIOR TO ROUGH-IN
	OS-3a INDICATES DAYLIGHT ZONE CONTROLLED VIA PHOTOCELL
	OS-3a ROOM CONTROLLER
	OS-3a ADJACENT NUMERAL REFERS TO THE NUMBER OF ZONES TO BE CONTROLLED. VENDOR OR CONTRACTOR TO PROVIDE QUANTITY OF ROOM CONTROLLERS REQUIRED FOR THE NUMBER OF CONTROLLED ZONES.
	OS-3a PLUG LOAD ROOM CONTROLLER
	OS-3a NETWORK BRIDGE
	OS-3a MASTER WIRELESS BORDER ROUTER & NB - SWITCH IN NETWORK CABINET; SEE DETAILS FOR TYPE
	OS-3a SECONDARY WIRELESS BORDER ROUTER
	OS-3a ISOLATED RELAY INTERFACE
	OS-3a EMERGENCY LIGHTING CONTROL MODULE
	OS-3a OCCUPANCY SENSOR POWER PACK MOUNTED IN CONCEALED ACCESSIBLE LOCATION
CALIFORNIA GREEN BUILDING STANDARDS COMPLIANCE	
ALL EXTERIOR LUMINAIRES SPECIFIED IN THESE CONTRACT DOCUMENTS COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA ENERGY CODE AND THE CALIFORNIA GREEN BUILDING STANDARDS CODE, SECTION A5.106.8 LIGHT POLLUTION REDUCTION. EXTERIOR LUMINAIRES COMPLY WITH BAKGLT, UPLIGHT, AND GLARE (BUG) RATINGS AS DEFINED IN IESNA TM-15-11 AND BUG RATINGS DO NOT EXCEED THE MAXIMUM ALLOWABLE RATINGS FOR THIS PROJECT.	



NUMBERED SHEET NOTES

- 1 PROVIDE AND INSTALL NEW TYPE BA1 WALL MOUNTED LUMINAIRE - LITHONIA LIGHTING: WDG2Z-LED-P3-27K-80CRI-VW-MVOLT-SRM-PBBW-FINISH AT LOCATION INDICATED. VERIFY LED COLOR TEMPERATURE TO MATCH EXISTING SITE LIGHTING. VERIFY FINISH WITH THE ARCHITECT.
- 2 EXTEND EXISTING CIRCUIT FROM ADJACENT LUMINAIRE TO NEW LOCATION. MOUNTING HEIGHT TO MATCH ADJACENT LUMINAIRE. PAINT EXPOSED CONDUIT AND HARDWARE PER THE DIRECTION OF THE ARCHITECT.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119358 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 06/09/2021

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REGISTERED PROFESSIONAL ELECTRICAL ENGINEER
No. 14738
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PERIMETER FENCING & MODERNIZATION

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ALAMEDA UNIFIED SCHOOL DISTRICT

REVISIONS

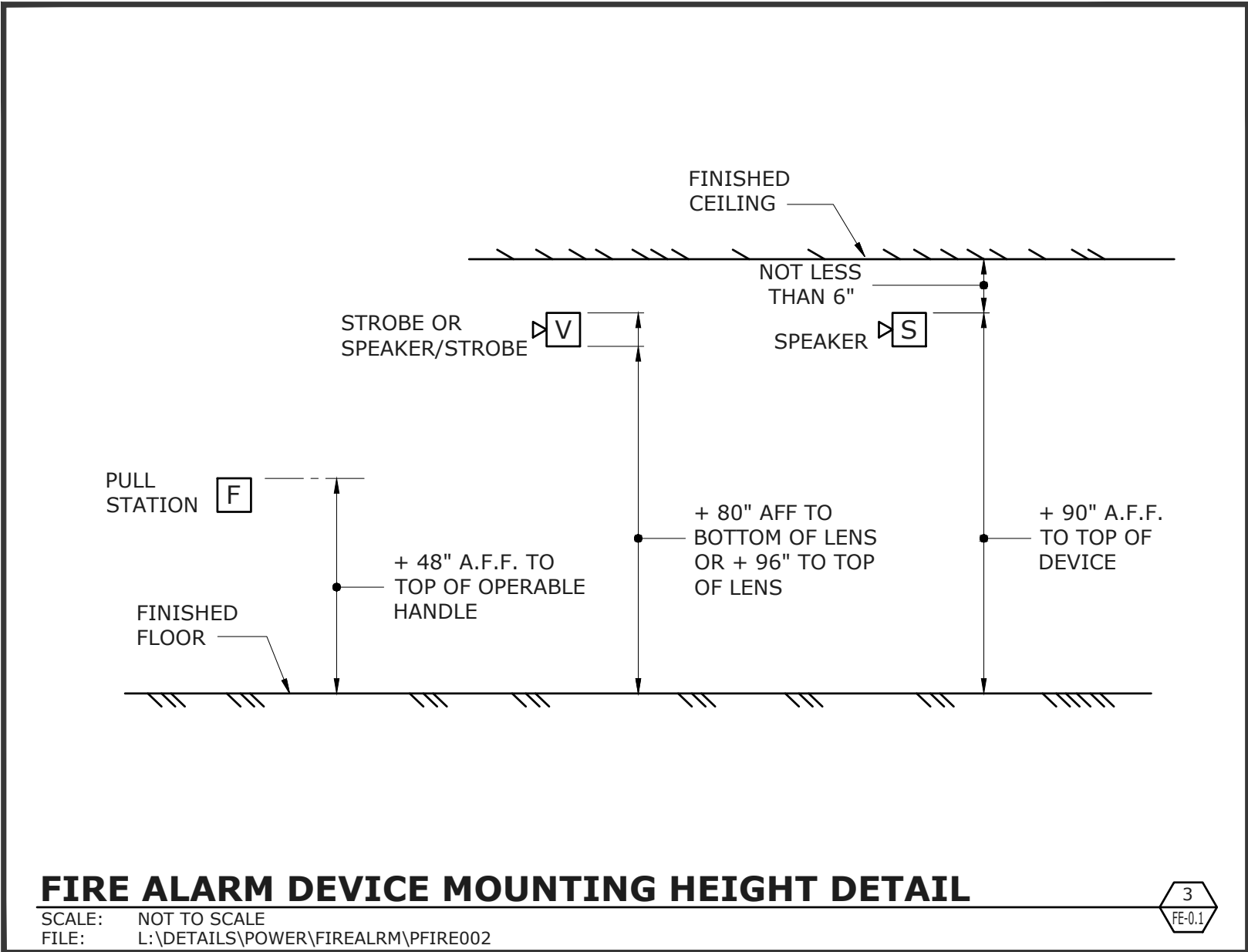
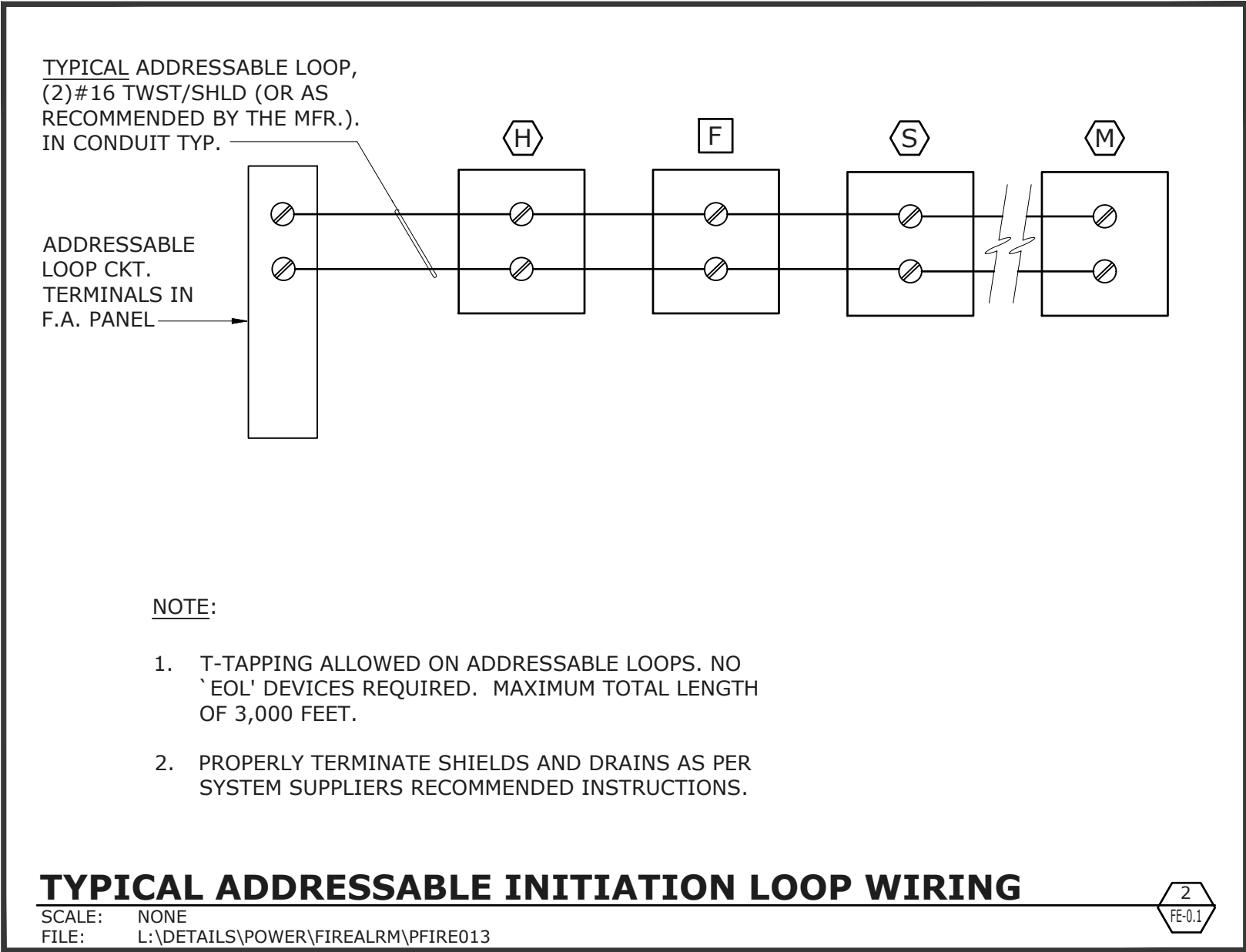
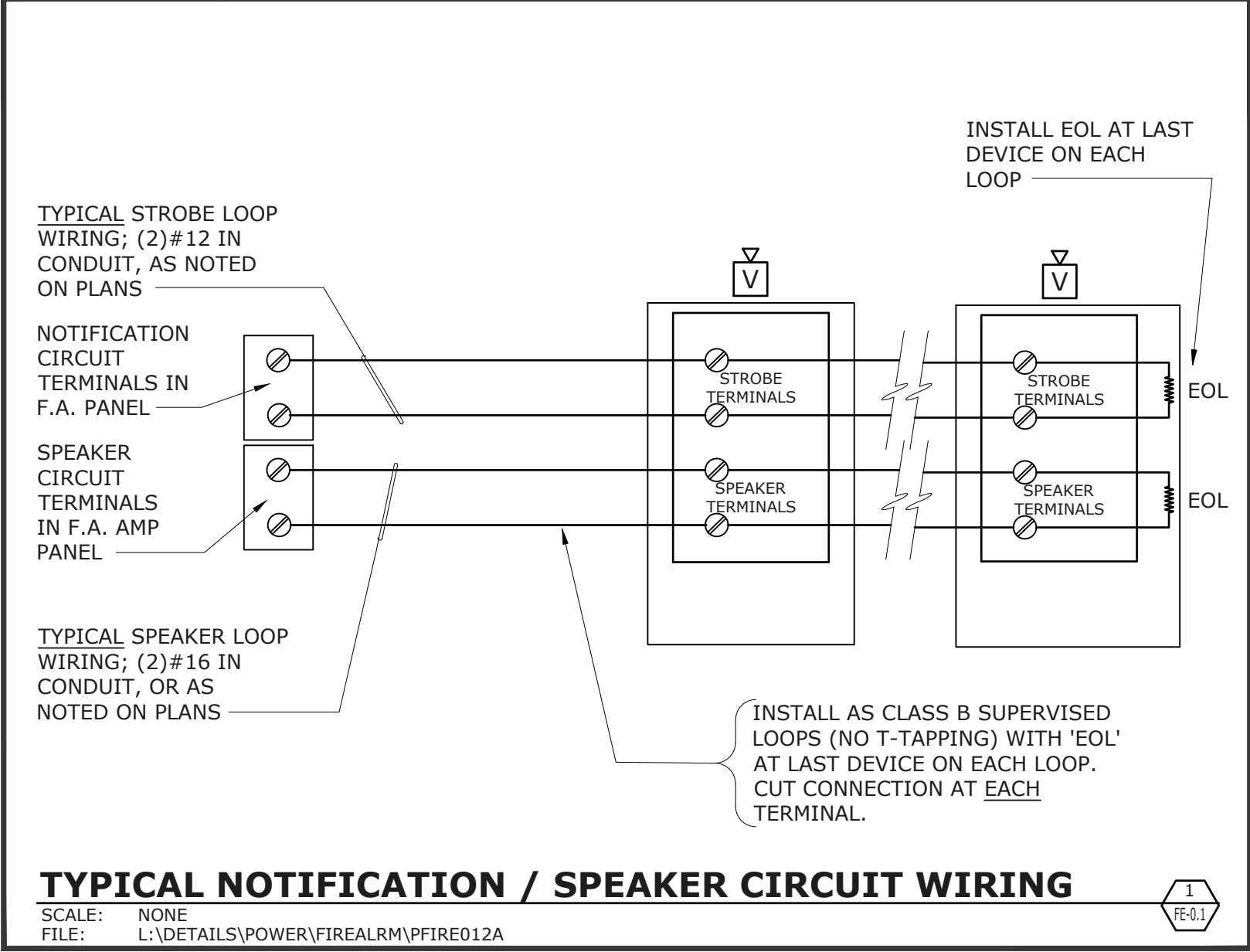
NO.	DESCRIPTION	DATE

DSA APP NO. 01-119358
ARCH PROJECT NO. 1580.03
DRAWN BY: TV/LN/JW/OOM
DRAWING SCALE: AS NOTED
PTN: 61119-120 FILE NO: 1-1
CD
MAY 24, 2021
SHEET TITLE

SITE PLAN - LIGHTING

SHEET NUMBER

E-1.2



GENERAL FIRE ALARM NOTES

- FINAL FIRE ALARM TEST SHALL BE MADE WITH THE DSA INSPECTOR OF RECORD (IOR). LOCAL FIRE AUTHORITY SHALL BE NOTIFIED OF DATE AND TIME OF FINAL ALARM TESTING AND SHALL ASSIST/WITNESS SUCH TESTING WHEN ABLE. DSA/ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF (48) HOURS PRIOR TO THE FINAL INSPECTION AND/OR TESTING.
- FIRE ALARM CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC SECTION 901.6.2. MONITORING SHALL BE TESTED AND VERIFIED AS SENDING THE CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT AND/OR PROVISIONS.
- UNDERGROUND AND EXTERIOR CONDUITS SHALL HAVE WATERTIGHT FITTINGS.
- FIRE ALARM DEVICE MOUNTING HEIGHTS:
 - PULL STATION: 48" TO TOP OF OPERATOR ABOVE FINISHED FLOOR.
 - HORN INTERIOR: 90" MIN. TO TOP OF DEVICE ABOVE FINISHED FLOOR, OR 100" MAX TO TOP OF DEVICE, BUT NOT LESS THAN 6" FROM CEILING.
 - WALL MOUNTED STROBE OR HORN/STROBE: BETWEEN 80" TO BOTTOM OF DEVICE LENS TO +96" TO TOP OF DEVICE LENS ABOVE FINISH FLOOR, BUT NOT LESS THAN 6" FROM CEILING.
 - CONTROL PANELS / ANNUNCIATORS: 48" TO BOTTOM OF EQUIPMENT.
- AUDIBLE FIRE ALARM SYSTEM LEVEL SHALL BE AT LEAST 15dBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN ALL OCCUPABLE AREAS, OR 5 dBA ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, MEASURED AT 5 FEET ABOVE THE FLOOR. AUDIBLE SIGNALS SHALL NOT BE LESS THAN 75dBA AT 10 FEET, OR MORE THAN 110dBA AT THE MINIMUM HEARING DISTANCE.
- AUDIBLE DEVICES SHALL BE SYNCHRONIZED TEMPORAL THREE DISTINCTIVE FIRE ALARM SOUND PER NFPA 72.
- APPLICABLE CODES:
 - CBC 2019; CEC 2019; CMC 2019; CFC 2019.
 - STATE FIRE MARSHAL TITLE 19, PUBLIC SAFETY.
 - NFPA 72, 2016 EDITION W/CA AMENDMENTS, FIRE ALARM CODE.
- STROBES SHALL FLASH AT A RATE NOT EXCEEDING TWO FLASHES PER SECOND, AND NOT LESS THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELA. VISUAL DEVICES WITHIN 55 FEET OF EACH OTHER SHALL BE SYNCHRONIZED.
- FIRE ALARM CONTRACTOR SHALL PROVIDE A COPY OF NFPA 72 SYSTEM RECORD OF COMPLETION, SYSTEM RECORD OF INSPECTION AND TESTING, AND THE "EMERGENCY COMMUNICATIONS SUPPLEMENTARY RECORD OF COMPLETION", TO THE INSPECTOR OF RECORD IOR/DSA, SCHOOL DISTRICT, ARCHITECT AND LOCAL FIRE AUTHORITY.
- POWER SERVICE TO THE FACP, REMOTE POWER SUPPLIES, AND CENTRAL STATION AUTO DIALER SHALL BE ON A DEDICATED BRANCH CIRCUIT WITH A RED MARKING AND IDENTIFIED AS "FIRE ALARM CIRCUIT CONTROL".
- INSTALL ALL WIRING IN CONDUIT, MIN. 3/4" CONDUIT. ALL FIRE ALARM SYSTEM WIRING SHALL BE FPL (FIRE POWER LIMITED) OR FPLP (FIRE POWER LIMITED PLENUM RATED) AS REQUIRED FOR APPLICATION. WIRING IN CONDUIT ABOVE GROUND MAY BE THHN OR THWN.
- CONDUIT AND WIRING SHALL BE PER MANUFACTURERS REQUIREMENTS.
- ALL FIRE ALARM COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICES/EQPT. SHALL EXCEED 20LBS. WITHOUT SPECIAL MOUNTING DETAILS.
- INSTALLATION OF SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE SET OF CONSTRUCTION DOCUMENTS (WITH DEVICE TYPES AND LISTINGS) HAVE BEEN REVIEWED AND APPROVED BY DSA.
- A STAMPED SET OF APPROVED PLANS SHALL BE ON THE JOB SITE AT ALL TIMES AND SHALL BE USED FOR INSTALLATION.
- ANY DISCREPANCIES BETWEEN THE CONTRACT DOCUMENTS AND CODE OR RECOGNIZED STANDARDS SHALL BE BROUGHT TO THE ATTENTION OF DSA AND ARCHITECT/ENGINEER OF RECORD.
- THE CONTRACTOR SHALL INSTALL AND ADJUST ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.
- SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1 FOOT FROM FIRE SPRINKLER HEADS OR 3 FEET FROM ANY SUPPLY DIFFUSER. IN AREAS OF CONSTRUCTION OR POSSIBLE DAMAGE /CONTAMINATION, INSTALLED DEVICES SHALL BE COVERED UNTIL AREA IS READY TO BE TURNED OVER TO THE OWNER.
- PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE ALARM DEVICE. DO NOT SPLICE WIRE. THERE MUST BE AT LEAST 6" OF WIRE LEAD FROM THE BOX TO THE DEVICE. ALL BOXES TO BE SIZED PER CEC FOR PROPER VOLUME WITH INSTALLED WIRING AND DEVICES.
- SUPERVISING STATION: AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72, AS AMENDED BY CFC CHAPTER 80. THE SUPERVISING STATION SHALL BE LISTED AS EITHER ULFXY OR ULUS BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011.
- A DOCUMENTATION CABINET SHALL BE INSTALLED ADJACENT TO THE FACP IN THE MAIN ELECTRICAL ROOM (NFPA 72, 7.7.2.1). SPACE AGE ELECTRONICS INC, ACERBOX FAD SERIES (#SSU00685 OR EQUAL).
- ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET (NFPA 72, 7.7.2.3): PROVIDE NAMEPLATE "FIRE ALARM SYSTEM RECORD DOCUMENTS" (NFPA 72, 7.7.2.5).
- FIRE ALARM MANUAL PULLSTATIONS SHALL MEET THE CALIFORNIA ACCESSIBILITY REQUIREMENTS OUTLINED IN THE CBC. ("CONTROLS AND OPERATING MECHANISMS SHALL BE OPERABLE WITH ONE HAND AND NOT REQUIRE TIGHT GRASPING OR TWISTING OF THE WRIST. THE FORCE TO ACTIVATE THE CONTROLS SHALL BE NO GREATER THAN 5 POUNDS OF FORCE". REFER TO DSA ACCESSIBILITY STAFF FOR QUESTIONS OR CLARIFICATION.)

SEQUENCE OF OPERATION

- MANUAL PULL STATION - WHEN A PULL STATION IS PULLED, IT SHALL ANNUNCIATE AN ALARM AT THE FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS.
- SMOKE AND HEAT DETECTORS - WHEN A SMOKE OR HEAT DETECTOR IS ACTIVATED, IT SHALL ANNUNCIATE AN ALARM AT THE FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS.
- ANY BUILDING POWER FAILURE- IF THE BUILDING LOSSES POWER, THE FAILURE SHALL SHOW UP AS A TROUBLE SIGNAL ON THE FACP. THE SYSTEM SHALL STAY ACTIVE ON BATTERY BACK-UP POWER IN ACCORDANCE WITH THE STATE FIRE CODE.
- SYSTEM SHALL INDICATE TROUBLE ALARMS FOR ALL SYSTEM FAULTS (i.e. GROUND FAULTS, SHORTS, OPEN CIRCUITS, BATTERY DISCONNECT, ETC.).
- FIRE/SMOKE DAMPERS - WHEN A FIRE/SMOKE DAMPER SMOKE DETECTOR IS ACTIVATED, IT SHALL ANNUNCIATE AN ALARM AT THE MAIN FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS AND SHALL SHUT DOWN THE ASSOCIATED HVAC UNIT.
- FIRE SPRINKLER SYSTEM - WHEN A FLOW SWITCH IS ACTIVATED, IT SHALL ANNUNCIATE AN ALARM AT THE MAIN FACP. ALARM SHALL ACTIVATE ALL AUDIO AND VISUAL DEVICES THROUGHOUT THE CAMPUS. WHEN TAMPER SWITCH IS ACTIVATED, IT SHALL ANNUNCIATE A SUPERVISORY ALARM AT THE MAIN FACP.
- UPON ALARM CONDITION, AUTO DIALER TO NOTIFY THE SUPERVISING STATION, AND AUTHORIZED SCHOOL PERSONNEL TO NOTIFY THE FIRE DEPARTMENT AND INITIATE EVACUATION OF STUDENTS AND FACULTY AS PER THE SCHOOL'S EVACUATION PLAN.
- UPON TROUBLE CONDITION, AUTO DIALER TO NOTIFY THE SUPERVISING STATION, AND AUTHORIZED SCHOOL PERSONNEL TO NOTIFY AUTHORIZED TECHNICIAN TO CORRECT THE TROUBLE CONDITION.
- UPON CO DETECTION, IT SHALL ANNUNCIATE AN ALARM AT THE FACP AND REMOTE ANNUNCIATOR ONLY AND SHALL ACTIVATE THE CO DETECTOR SOUNDER BASE WITH TEMPORAL 4 FORM IN THE CLASSROOM. SCHOOL PERSONNEL TO NOTIFY THE OCCUPANTS IMMEDIATELY AND INITIATE EVACUATION OF STUDENTS & FACULTY.

FIRE ALARM EQUIPMENT LIST

SYMBOL	DESCRIPTION	MANUFACTURER & MODEL NUMBER	CSFM LISTING NUMBER	STANDBY CURRENT	ALARM CURRENT
	(E) FIRE ALARM CONTROL PANEL	NOTIFIER NFS2-640	7165-0028-0243	791mA	1.969A
	(E) FIRE ALARM CONTROL PANEL	NOTIFIER NFW-100	7165-0028-0235	180mA	350mA
	FIRE ALARM EXPANDER PANEL (ADDRESSABLE)	NOTIFIER ACP3-610 W/CAB-PS1 CABINET	7315-0028-0248	150mA	90mA
	FIRE ALARM LOCAL OPERATOR CONSOLE	NOTIFIER NFC-LOC	6911-0028-0265	85mA	100mA
	ADDRESSABLE MONITOR MODULE	NOTIFIER FMM-1	7300-0028-0219	0.38mA	5.10mA
	ADDRESSABLE RELAY MODULE	NOTIFIER FRM-1	7300-0028-0219	0.35mA	6.50mA
	ADDRESSABLE PHOTOELECTRIC SMOKE DETECTOR	NOTIFIER FSP-951	7272-0028-0503	0.20mA	4.5mA
	ADDRESSABLE DETECTOR BASE	SYSTEM SENSOR B300-6	7300-1653-0109	-	-
	ADDRESSABLE MONITOR MODULE	NOTIFIER NMM-100	7300-0028-0230	0.38mA	5.10mA
	ADDRESSABLE RELAY MODULE	NOTIFIER NC-100R	7300-0028-0230	0.35mA	6.50mA
	ADDRESSABLE DETECTOR BASE	SYSTEM SENSOR B210LP	7300-1653-0109	-	-

NOTE:

DETECTOR SUBSCRIPTS:

"V"- DETECTOR IN ACCESSIBLE CEILING SPACE

"N"- DETECTOR WITHIN 30" OF PEAK

FIRE ALARM WIRING LEGEND

TAG	DESCRIPTION	CABLING
A	INITIATION CIRCUIT	(2) #16 TWISTED/UNSHIELDED
B	STROBE NOTIFICATION CIRCUIT(S)	(2) #12 THHN/THWN
C	SPEAKER NOTIFICATION CIRCUIT(S)	(2) #16 TWISTED/SHIELDED
D	TERMINAL CONTACT WIRING	(2) #12 THWN
E	CONTROL (NON RESETTABLE POWER)	(2) #14 THHN/THWN
F	24VDC NON-RESETTABLE POWER	(2) #16 THHN/THWN
G	LOC DATA/AUDIO WIRING	(2) #16 AWG

NOTE:
CONTRACTOR SHALL VERIFY EXACT CABLE/WIRE TYPES WITH SYSTEM MANUFACTURER PRIOR TO ROUGH-IN. INSTALL WIRING IN WIREMOLD RACEWAYS (IN FINISH AREAS, I.E. CLASSROOMS, OFFICES, HALLWAYS, ETC.) AND IN 3/4" CONDUIT MIN. (IN UTILITY ROOMS).

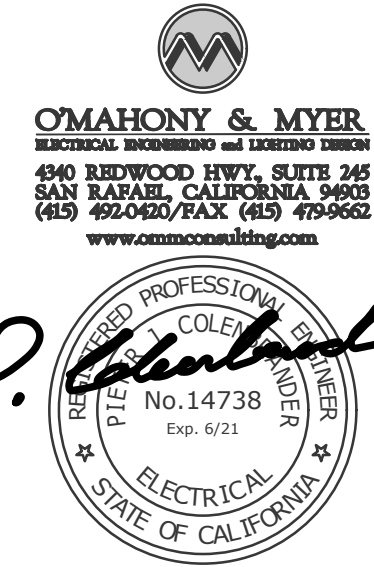
FIRE ALARM SYSTEM DESCRIPTION

- THE FIRE ALARM SYSTEM SHALL BE AN AUTOMATIC ADDRESSABLE SYSTEM WITH STYLE 4, CLASS B WIRING FOR IDC'S, NAC'S, AND SLC'S WITH EMERGENCY VOICE / ALARM COMMUNICATIONS.
- PROVIDE COMPLETE CROSS TRIP CONNECTIONS, PROGRAMMING, AND ALL NECESSARY DEVICES FOR COMPLETE SYSTEMS INTEGRATION WITH THE EXISTING FACP.
- CIRCUIT PATHWAY SURVIVABILITY SHALL BE LEVEL 1.
- PROVIDE AND INSTALL NEW EQUIPMENT, DEVICES AND REQUIRED MODULES AND PROVIDE CONNECTIONS COMPLETE FOR A FULLY FUNCTIONING NETWORKED FIRE ALARM SYSTEM.
- THE NAME OF THE SPECIFIC PERSON RESPONSIBLE FOR THE SYSTEM DESIGN IS ALVIN CHU (O'MAHONY & MYER).
- SYSTEM INSTALLATION SHALL BE BY A LICENSED ELECTRICAL OR FIRE ALARM CONTRACTOR WITH A CALIFORNIA C-10 LICENSE, REGULARLY ENGAGED IN THE INSTALLATION AND COMMISSIONING OF FIRE ALARM SYSTEMS TO NFPA 72 STANDARDS. FIRE ALARM CONTRACTOR SHALL BE FACTORY-AUTHORIZED OF THE SPECIFIED SYSTEM MANUFACTURER. INSTALLING CONTRACTOR'S NAME AND CONTACT INFORMATION SHALL BE LISTED IN THE NFPA CLOSE OUT DOCUMENTATION AT COMPLETION OF PROJECT.

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**ALAMEDA UNIFIED
SCHOOL DISTRICT**

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NO.	DESCRIPTION

DSA APP NO. 01-119358

ARCH PROJECT NO. 1580.03

DRAWN BY: TV/LN/JW/OOM

DRAWING SCALE: AS NOTED

PTN: 61119-120 FILE NO: 1-1

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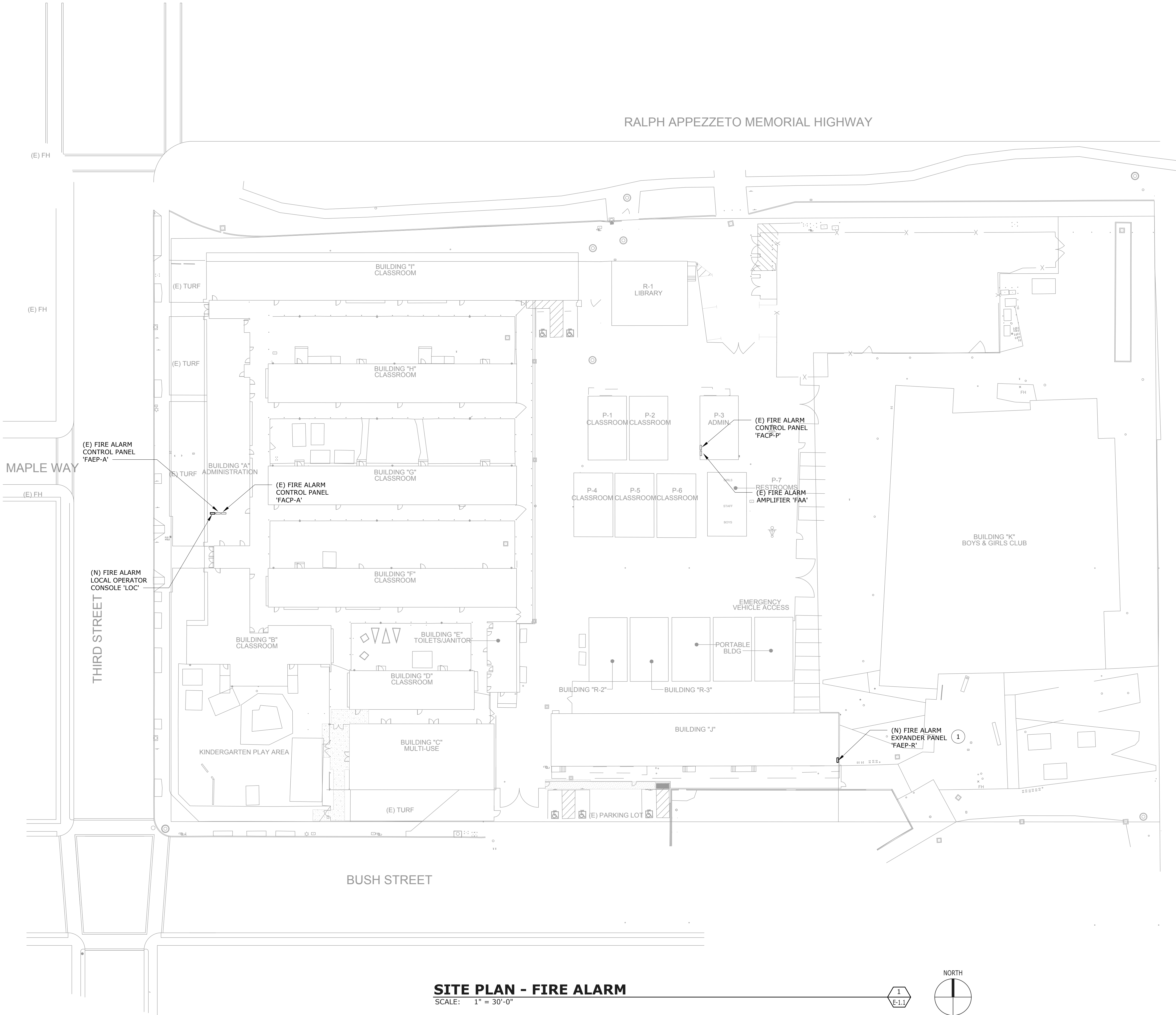
MAY 24, 2021

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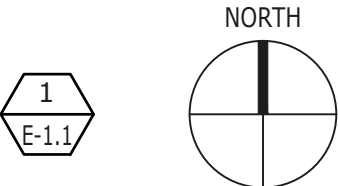
FIRE ALARM EQUIPMENT LIST, NOTES & DIAGRAMS

SHEET NUMBER

FE-0.1



SITE PLAN - FIRE ALARM
SCALE: 1" = 30'-0"



NUMBERED SHEET NOTES

1 TO REPLACE (E) NOTIFIER SFP-2404 PANEL. CONNECT TO (E) DEDICATED CIRCUIT.

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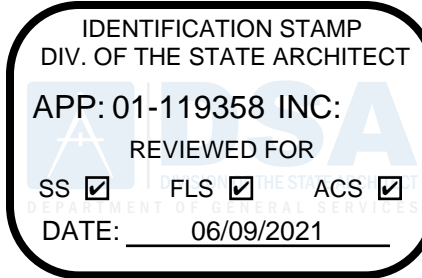
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**SITE PLAN -
FIRE ALARM**

SHEET NUMBER

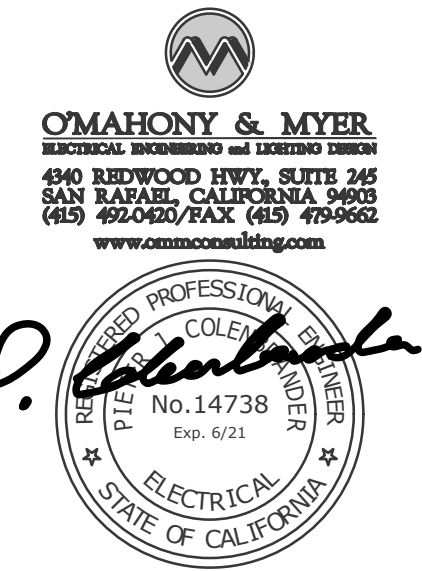
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- 1 12X12X6 NEMA 3R PULLBOX.
- 2 (1) 2" CONDUIT WITH (1) TYPE 'A', (3) TYPE 'D', (1) TYPE 'F' AND (2) TYPE 'G' CABLES.
- 3 (1) 1" CONDUIT WITH (1) TYPE 'A'.
- 4 INTERCEPT AND EXTEND INITIATION CIRCUIT.



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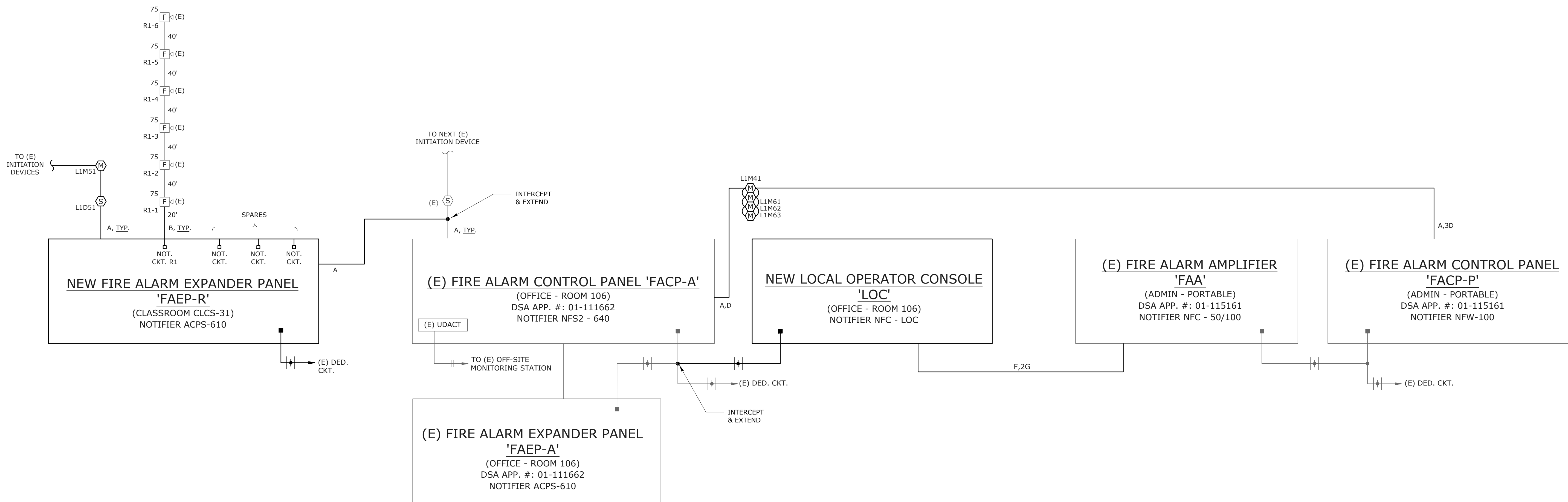
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DRAWN BY:	TV/LN/JW/OOM
DRAWING SCALE:	AS NOTED
PTN: 61119-120	FILE NO: 1-1

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MAY 24, 2021
SHEET TITLE

FLOOR PLAN - FIRE ALARM

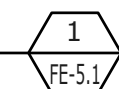
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FE-3.1

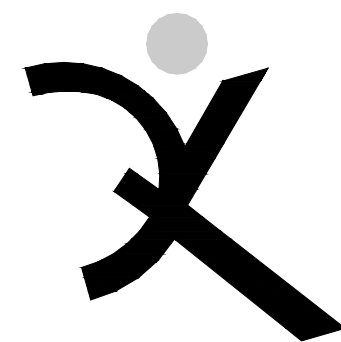


RISER DIAGRAM - FIRE ALARM

SCALE: NONE



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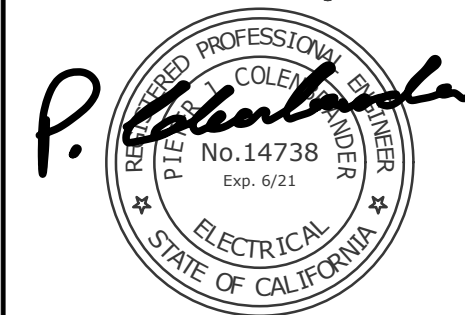
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DRAWING SCALE: AS NOTED

PTN: 61119-120 FILE NO: 1-1

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MAY 24, 2021

SHEET TITLE

RISER DIAGRAM - FIRE ALARM

SHEET NUMBER

FE-5.1

BATTERY CALCULATIONS:		FIRE ALARM EXPANDER PANEL 'FAEP-R'		
STANDBY MODE		EA (A)	QTY	CURRENT
FAEP CTRL UNIT		0.150	1	0.150
		TOTAL STANDBY CURRENT = 0.150 A		
		REQUIRED (24 HOURS) = 3.600 AH		
ALARM MODE		EA (A)	QTY	CURRENT
FAEP CTRL UNIT		0.900	1	0.900
NOTIFICATION CKT	R1	0.815	1	0.815
		TOTAL ALARM CURRENT = 1.715 A		
		REQUIRED (15 MIN) = 0.429 AH		
		TOTAL POWER REQUIRED WITH 120% BATTERY DERATING FACTOR = 4.835 AH		
		PROVIDE TWO 12V, 7AH BATTERIES		

VOLTAGE DROP CALCULATIONS									
FIRE ALARM EXPANDER PANEL 'FAEP-R'									
SIGNAL CIRCUIT: R1									
TOTAL CKT CURRENT = 0.815 A									
MAX VOLT-DROP = 1.86%									
SYSTEM VOLTAGE = 20.4 V									
Device Address-->	R1-1	R1-2	R1-3	R1-4	R1-5	R1-6			
Type of Device -->	75HSTR	75HSTR	75HSTR	75HSTR	75HSTR	75HSTR	eo1		
Current of Device (Amp) -->	0.135	0.135	0.135	0.135	0.135	0.135	0.005		
Size of Wire (AWG) -->	#12	#12	#12	#12	#12	#12	#12		
Distance to each Device (Ft) -->	20	40	40	40	40	40	5		
Current Total (Amp) -->	0.815	0.680	0.545	0.410	0.275	0.140	0.005		
Device Volt-drop -->	0.31%	0.82%	1.24%	1.55%	1.75%	1.86%	1.86%		
Device Volt -->	20.34	20.23	20.15	20.08	20.04	20.02	20.02		

BATTERY CALCULATIONS:		(E) FIRE ALARM CONTROL PANEL 'FACP-A'		
STANDBY MODE		EA (A)	QTY	CURRENT
(E) LOADS		0.7910	1	0.7910
DETECTORS		0.0002	1	0.0002
MODULES		0.0004	4	0.0015
		TOTAL STANDBY CURRENT = 0.793 A		
		REQUIRED (24 HOURS) = 19.025 AH		
ALARM MODE		EA (A)	QTY	CURRENT
(E) LOADS		1.9690	1	1.969
DETECTORS		0.0040	1	0.004
MODULES		0.0070	4	0.028
		TOTAL ALARM CURRENT = 2.001 A		
		REQUIRED (15 MIN) = 0.500 AH		
		TOTAL POWER REQUIRED WITH 120% BATTERY DERATING FACTOR = 23.431 AH		
		EXISTING (2) 12V, 30AH BATTERIES - OK		
		(EXISTING LOAD INFO ARE FROM DSA APP. #01-111662)		


BATTERY CALCULATIONS:		(E) FIRE ALARM CONTROL PANEL 'FACP-P'		
STANDBY MODE		EA (A)	QTY	CURRENT
(E) LOADS		0.274	1	0.274
MODULES		0.0004	1	0.000
		TOTAL STANDBY CURRENT = 0.274 A		
		REQUIRED (24 HOURS) = 6.585 AH		
ALARM MODE		EA (A)	QTY	CURRENT
(E) LOADS		1.738	1	1.738
MODULES		0.006	1	0.006
		TOTAL ALARM CURRENT = 1.744 A		
		REQUIRED (15 MIN) = 0.436 AH		
		TOTAL POWER REQUIRED WITH 120% BATTERY DERATING FACTOR = 8.425 AH		
		EXISTING (2) 12V, 18AH BATTERIES-OK		
		(EXISTING LOAD INFO ARE FROM DSA APP. #01-115161)		

BATTERY CALCULATIONS:		(E) FIRE ALARM AMPLIFIER 'FAA'		
STANDBY MODE		EA (A)	QTY	CURRENT
(E) LOADS		0.372	1	0.372
LOC POWER		0.085	1	0.085
		TOTAL STANDBY CURRENT = 0.457 A		
		REQUIRED (24 HOURS) = 10.968 AH		
ALARM MODE		EA (A)	QTY	CURRENT
(E) LOADS		0.681	1	0.681
LOC POWER		0.100	1	0.100
		TOTAL ALARM CURRENT = 0.781 A		
		REQUIRED (15 MIN) = 0.195 AH		
		TOTAL POWER REQUIRED WITH 120% BATTERY DERATING FACTOR = 13.396 AH		
		EXISTING (2) 12V, 18AH BATTERIES-OK		
		(EXISTING LOAD INFO ARE FROM DSA APP. #01-115161)		

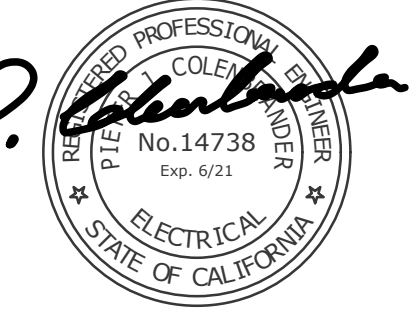
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 01-119358 INC:
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 06/09/2021



QUATTROCCHI KWOK
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ALAMEDA UNIFIED
SCHOOL DISTRICT

REVISIONS		

DSA APP NO. 01-119358	
ARCH PROJECT NO:	1580.03
DRAWN BY:	TV/LN/JW/OOM
DRAWING SCALE:	AS NOTED
PTN: 61119-120	FILE NO: 1-1

CD

MAY 24, 2021

SHEET TITLE

CALCULATIONS-
FIRE ALARM

SHEET NUMBER

FE-6.1