Vallecitos School District
5211 Fifth Street • Rainbow, CA 92028 • (760) 728-7092 • FAX (760) 728-7712
"A community school where we learn to achieve our dreams"
Dream • Learn • Achieve

Ritsa Chanthabandith
Michael Darnley
Dr. Martin Kurland
Heather Reinhardt

Meliton Sanchez
Superintendent / CBO

NOTICE IS HEREBY GIVEN that Vallecitos School District, of San Diego County, California, hereinafter referred to as the District, will receive up to, but not later than **1:00 o'clock p.m. of the 15th day of August, 2025,** bids for the award of contract;

Vallecitos New Portable Building Project

Bids shall be received prior to the date and time above. Bids shall be publicly opened at Vallecitos School District, 5211 5th Street, Fallbrook CA 92028, in the Administration Building Board Room.

Project Cost Estimate - $210,000.00

Description of Work: The project includes Site Work, Asphalt, Handrails, Fire Alarm, Electrical and Low Voltage connections to owner provided and installed Portable Classroom Building. Signage and ADA upgrades to existing restroom building.

Documents may be obtained from: https://www.vallecitossd.net

All Questions and Requests for Clarification will only be accepted in writing via e-mail to ATTN: Meliton Sanchez, Project Manager, msanchez@vallecitossd.net and must be received no later than **August 12, 2025 @ 3:00 PM.**

Bids must be submitted on the Bid form provided by the District and included in the bid documents. Each bid must strictly conform with and be responsive to this Notice Calling for Bids, the Information for Bidders, and other Contract Documents. A Bid bond in the amount of 10% are to be provided with bid proposal. Vallecitos SD reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding.

Except as provided in Public Contract Code Section 5100 *et seq*. no bidder may withdraw a bid for a period of sixty (60) calendar days after the opening of the bids.

In contracts involving expenditure in excess of $25,000.00, Civil Code section 3247(a), the successful bidder shall file a payment bond issued by an admitted Surety approved to conduct business in the State of California approved by the District in the form set forth in the contract documents.

The successful bidder will be required to provide both a performance bond and a separate payment bond, each in an amount equal to 100% of the total contract amount. The forms of the bonds are set forth in the Contract Documents and all bonds must be issued by a California-admitted surety as defined in California Code of Civil Procedure Section 995.120.

The class of California contractor's license(s) required in order to bid on and perform the contract for this Project is**: A or B**

The District may have made a finding that certain brand or trade names are necessary in order to maintain conformity among its campuses, compatibility with existing systems and to streamline maintenance and parts storage. A copy of the resolution is incorporated in the bid documents under Specifications.

MANDATORY PRE-BID CONFERENCE & SITE WALK

DATE: Friday, August 8, 2025 @ 10:00 AM

Contractors shall arrive at the location below by 10:10 am

LOCATION: Vallecitos School District
5211 5th Street
Fallbrook, CA 92028

VALLECITOS ELEMENTARY
40x48 RELOCATABLE CLASSROOM

VALLECITOS SCHOOL DISTRICT

BOARD OF EDUCATION:

Michael Darnley, President
Dr. Martin Kurland, Vice President
Terese Kristensen, Trustee
Chris Howells,Trustee

Meliton Sanchez, Superintendent

ARCHITECT:

MGPA ARCHITECTURE

PROJECT TRACKING NO. 6378-4

STATEMENT OF CONFORMANCE

Example of Statement of General Conformance and Signature Block per IR A-18

Statement of General Conformance

FOR ARCHITECTS/ENGINEERS WHO UTILIZE PLANS,
INCLUDING BUT NOT LIMITED TO SHOP DRAWINGS, PREPARED BY OTHER LICENSED DESIGN PROFESSIONALS AND/OR CONSULTANTS

(Application No. 04-123455 **File No.** 37-74 **)**

[X] The drawings or sheets listed on the cover or index sheet not marked by asterisk
[ ] This drawing, page of specifications/calculations

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 1. *(Title 24, Part 1, Section 4-317 (b))*

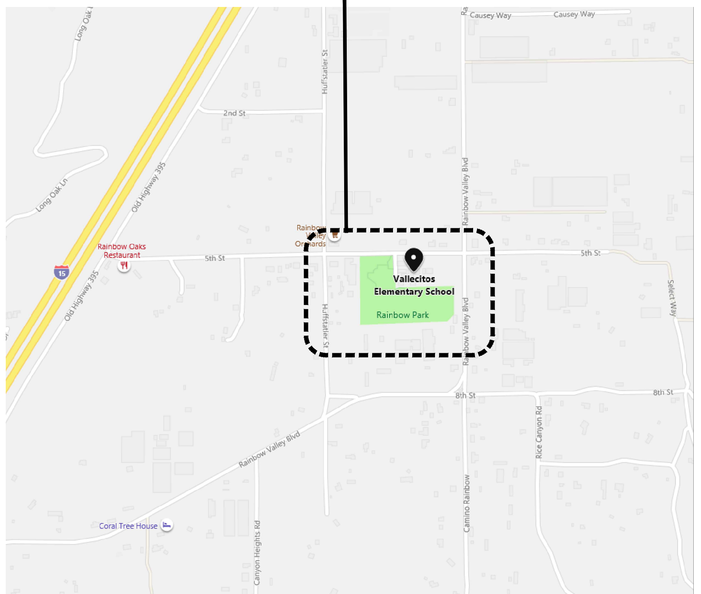
I certify that: [X] All drawings or sheets listed on the cover or index sheet
[ ] This drawing or page

[X] is/are in general conformance and [X] have been coordinated	[ ] is/are in general conformance and [ ] have been coordinated
Fred Gualda 4-2-24	
Signature **Date**	**Signature** **Date**
Architect or Engineer designated to be in general responsible charge	**Architect or Engineer delegated responsibility for this portion of the work.**
Fred Gualda	
Print Name	**Print Name**
C20789 02/28/25	
License Number **Expiration Date**	**License Number** **Expiration Date**

VICINITY MAP

NOT TO SCALE

PROJECT ADDRESS
VALLECITOS ELEMENTARY SCHOOL
5211 5TH STREET
FALLBROOK, CA 92028



NORTH

INDEX OF DRAWINGS (26 SHEETS)

TITLE SHEETS

T-1.1	TITLE SHEET, INDEX, AND GENERAL INFO
T-1.2	GENERAL NOTES, SYMBOLS, ABBREVIATIONS

Grand total: 2

ARCHITECTURAL SITE SHEETS

A-1.0	CODE COMPLIANCE, EXISTING & DEMOLITION SITE PLAN
A-1.1	ENLARGED NEW SITE PLAN & DETAILS
A-2.2	EXISTING RESTROOM DEMO, NEW WORK & DETIALS

Grand total: 3

SITE ELECTRICAL SHEETS

E-0.1	SYMBOL LIST, GENERAL NOTES AND SINGLE LINE DIIAGRAM
E-0.2	ELECTRICAL DETAILS
E-0.3	FIRE ALARM SYMBOLS, NOTES, RISER DIAGRAM AND CALCULATIONS
E-0.4	ELECTRICAL SPECIFICATIONS
E-0.5	PATH OF EGRESS PHOTOMETRICS
ES-1.1	OVERALL SITE ELECTRICAL PLAN
ES-1.2	ENLARGED SITE ELECTRICAL PLAN

Grand total: 7

*A #04-121040 40x48 RELOCATABLE CLASSROOM BUILDING SHEETS

T-1	COVER SHEET
T-2	SERIAL NUMBERS
S-1	MODIFICATION PLAN FOR 48X40 BUILDING
A-1	MODIFICATION PLAN FOR 48X40 BUILDING
E-1	MODIFICATION PLAN FOR 48X40 BUILDINGS
M-1	MODIFICATION PLAN FOR 48X40 BUILDINGS

Grand total: 6

* A #04-122274 FOUNDATION PLAN SHEETS

F-1	FOUNDATION COVER SHEET
F-2	FOUNDATION A- NUMBERS
F-5	FOUNDATION PLANS
F-6	FOUNDATION DETAILS
F-7	FOUNDATION GENERAL SPECIFICAIONS
F-7A	FOUNDATION DSA FORM 103

Grand total: 6

* A #04-122275 RAMP/LANDING MODIFICATION SHEETS

1	RAMP MODIFACATION COVER SHEET
2	TYP RAMP PLAN DETAILS

Grand total: 2

PROJECT DATA

PROJECT NAME:	VALLECITOS ELEMENTARY 40X48 RELOCATABLE CLASSROOM
DISTRICT/OWNER:	VALLECITO UNIFIED SCHOOL DISTRICT
SUPERINTENDENT:	MELITON SANCHEZ
DISTRICT ADDRESS:	5211 5TH STREET, FALLBROOK, CA 92028
ASSESSORS PARCEL NO.:	1024201600
LEGAL DESCRIPTION:	BLK J*STS CLSD&BLKS E&F&I&\
SITE ADDRESS:	5211 5TH STREET, FALLBROOK, CA 92028
ACREAGE:	9.14 AC
CLASSROOM COUNT:	(1) NEW TEACHING STATIONS
SCHOOL CAPACITY:	188 STUDENTS

BUILDING DATA

A# 04-121040 RELO CLASSROOMS	
OCCUPANCY TYPE (PER CBC CH. 3):	E
CONSTRUCTION TYPE (PER CBC CH. 6):	VB (WOOD FRAMING NON-RATED)
ALLOWABLE BUILDING HEIGHT (FEET) PER CBC 504.3:	40'-0" (NOT SPRINKLERED)
ACTUAL BUILDING HEIGHT (FEET):	12'-3"
ALLOWABLE BUILDING HEIGHT (STORIES) PER CBC 504.4:	1
ACTUAL BUILDING HEIGHT (STORIES):	1
PC A# 04-106486 RELO RESTROOM	
OCCUPANCY TYPE (PER CBC CH. 3):	E
CONSTRUCTION TYPE (PER CBC CH. 6):	VB (WOOD FRAMING NON-RATED)
ALLOWABLE BUILDING HEIGHT (FEET) PER CBC 504.3:	40'-0" (NOT SPRINKLERED)
ACTUAL BUILDING HEIGHT (FEET):	12'-3"
ALLOWABLE BUILDING HEIGHT (STORIES) PER CBC 504.4:	1
ACTUAL BUILDING HEIGHT (STORIES):	1
BUILDING AREA:	
1 (N) CLASSROOM RELO @ 40'x48' =	1920 S.F.
1 (E) RESTROOM RELO @ 12'X40' =	480 S.F
TOTAL BUILDING AREA:	= 2,400 S.F.
BASIC ALLOWABLE AREA (PER CBC TABLE 506.2):	9,500 S.F.
TOTAL ALLOWABLE AREA:	9,500 S.F. 2,400 S.F. < 9,500 S.F. OK

CONSULTANTS

ARCHITECTURAL:

MGPA ARCHITECTURE
ARCHITECT: MGPA ARCHITECTURE
CONTACT: EDDIE MIRAMONTES
PHONE: (951) 775-9363
WEBSITE: mgpaia.com
ADDRESS: 6965 EL CAMINO REAL#105-278 CARLSBAD, CA 92009

ELECTRICAL:

FBA ENGINEERING
ELECTRICAL ENGINEER: FBA ENGINEEERING
CONTACT: ALAN BRAVO
PHONE: (949) 852-9995
FAX: (949) 852-1657
WEBSITE: FBAENGR.COM
ADDRESS: 150 PAULARINO AVENUE # A120 COSTA MESA, CA 92626

RELOCATABLES:

mobile modular
MODULAR DESIGN CONSULTANT: MOBILE MODULAR
CONTACT: DANA JOHNSON
PHONE: (951) 360-5111
EMAIL: dana.johnson@mobilemodular.com
ADDRESS: 2830 BARRETT AVENUE, PERRIS, CA 92571

SURVEYOR:

DJI
SURVEY CONSULTANT: DJI
CONTACT: DENNIS JANDA
PHONE: (951) 699-8874
FAX: (951) 699-8568
EMAIL: dennisj@pmcmap.com
ADDRESS: 42164 REMINGTON AVENUE, TEMECULA, CA 92590

PROJECT SCOPE OF WORK

SCOPE OF WORK:
1) PLACEMENT OF #04-121040 40'X48' MODULAR CLASSROOM BUILDINGS ON #04-122274 WOOD FOUNDATIONS AND #04-122275 RAMP/LANDING. NEW CLASSROOM NUMBER 19.
2) ACCESSIBILITY IMPROVEMENTS TO EXISTING A#04-106486 12'x40' RESTROOM BUILDING R2 AS INDICATED
3) SITE ACCESSIBILITY IMPROVEMENTS AS INDICATED

INSPECTOR OF RECORD NOTE

A DSA CERTIFIED PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART I, TITLE 24, CCR, CLASS 3.

NOTE: PER DSA, THE APPROVAL OF 04-123455 WILL NOT BE CONTINGENT OF THE CERTIFICATION OF 04-106486. THE CERTIFICATION OF THIS APPLICATION DOES NOT REPRESENT THE CERTIFICATION OF 04-106486.

DSA Stamp
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

Issue Date:
DSA

Revisions:
1
2
3

Consultant Stamp:

Consultant:

VSVES05 40x48 RELO CR

VALLECITO UNIFIED SCHOOL DISTRICT
40X48 RELOCATABLE CLASSROOM
for
VALLECITO UNIFIED SCHOOL DISTRICT
CALIFORNIA
RAINBOW

Job N°.: VSVES05

FRED HERNANDEZ GUALDA
C20789
REN. 02-28-25
LICENSED ARCHITECT
STATE OF CALIFORNIA

MGPA ARCHITECTURE
An Architectural Corporation
Mailing: 6965 El Camino Real, Suites 105-278
Carlsbad, CA 92009
Tele: (760) 929-1500 Fax: (760) 929-1506

MGPA ARCHITECTURE

Sheet Title:
TITLE SHEET, INDEX & GENERAL INFO.

Sheet Number:
T-1.1

ABBREVIATIONS

#	pound(s)	EC	evaporative cooler
@	at	EF	each face
A.S.T.M.	American Society for Testing and Materials	EHD	electric hand dryer
A/C	air conditioning	EJ	expansion joint
AB	anchor bolt	EL	elevation
ABV	above	ELEC	electric(al)
ACOUST	acoustical	ELEV	elevation
ACP	acoustic ceiling panel	EMER	emergency
ACP	asphaltic concrete paving	EMT	electrical metallic conduit
ACT	acoustical tile	ENCL	enclose(ure)
AD	area drain	EP	electrical panelboard
ADD	addendum	EQ	equal
ADJ	adjacent	EQUIP	equipment
ADJUST	adjustable	ES	extra strong
AFF	above finished floor	EST	estimate
AGG	aggregate	EW	each way
ALT	alternate	EWC	electric water cooler
ALUM	aluminum	EXH	exhaust
ANOD	anodized	EXIST	existing
AP	access panel	EXP	exposed
APPROX	approximate	EXT	exterior
ARCH	architect(ural)	FAB	fabrication
AUTO	automatic	FB	face brick
AWP	acoustical wall panel	FBD	fiberboard
BD	board	FBO	furnished by others
BEL	below	FD	floor drain
BIT	bituminous	FDN	foundation
BLDG	building	FE	fire extinguisher
BLK	block	FEC	fire extinguisher cabinet
BLKG	blocking	FF	finish floor
BM	bench mark	FFE	finished floor elevation
BOT	bottom	FGL	fiberglass
BP	blank panel	FH	fire hydrant
BRG	bearing	FHC	fire hose cabinet
BS	both sides	FHMS	flathead machine screw
BSMT	basement	FHWS	flathead wood screw
BTWN	between	FIN	finish(ed)
BUR	built-up roofing	FIN.FLR.	finished floor line
BW	both ways	FL	flow line
C.A.C.	California Administrative Code	FLR	floor
C.C.R.	California Code of Regulations	FLSH	flashing
C.F.	cubic foot	FLUR	fluorescent
C.O.	conduit only	FND	feminine napkin disposal
C.Y.	cubic yard	FOC	face of concrete
CAB'T	cabinet	FOF	face of finish
CAD	cadmium	FOM	face of masonry
CAP	cementitious acoustical planks	FOPS	face of plywood sheathing
CB	catch basin	FOS	face of studs
CEM	cement	FP	fireproof
CER	ceramic	FRM(G)	frame(d),(ing)
CGF	ceramic granule flooring	FRT	fire-retardant
CHBD	chalkboard	FT	foot
CI	cast iron	FTG	footing
CIPC	cast-in-place concrete	FUR	furred(ing)
CJ	control joint	FUT	future
CL	centerline	FV	field verify
CLF	chain link fence	FWP	fabric-wrapped acoustic panel
CLG	ceiling	GA	gage, gauge
CLOS	closet	GALV	galvanized
CMT	ceramic mosaic (tile)	GBBR	grab bar
CMU	concrete masonry unit	GB	gypsum board
COL	column	GC	general contractor
COMB	combination	GCMU	glaze concrete masonry units
COMPO	composition	GD	gutter drain
COMPT	compartment	GI	galvanized iron
CONC	concrete	GLB	glued laminated beam
CONN	connection,(or)	GPL	gypsum plaster
CONST	construction	GR	grade(ing)
CONT	continuous or continue	GRT	grout
CONTR	contract(or)	GSKT	gasket
CORRUG	corrugated	GV	gravity vent
CPT	carpet	GWG	water-resistant gypsum drywall
CRS	course(s)	GWX	type X gypsum drywall
CS	countersink	GYP	gypsum
CT	ceramic tile	HB	hose bibb
CTR	counter	HC	hollow core
CTSK	countersink screw	HDBD	hardboard
CUST	custodian	HDR	header
CWP	carpet with pad	HDW	hardware
DBL.ACT.	double acting	HDWD	hardwood
DEMO	demolish, demolition	HEX	hexagonal
DF	drinking fountain	HM	hollow metal
DH	double hung	HORIZ	horizontal
DIA	diameter	HP	high point
DIM	dimension	HR	handrail
DL	dead load	HT	height
DN	down	HTG	heating
DP	disabled person	HVAC	heating, ventilating, and air conditioning
DPRF	dampproofing	HWH	hot water heater
DPRR	disabled person restroom	I.C.B.O.	International Conference of Building Officials
DR	door	ID	inside diameter
DS	downspout	IN	inch
DSA	Division of the State Architect	INCL.	include(d),(ing)
DTA	dovetail anchor	INSUL.	insulate(d),(ing)
DTL	detail	INT.	interior
DTS	dovetail anchor slot	IPS	iron pipe size
DW	drywall	JC	janitor's closet
DWG	drawing	JST	joist
DWR	drawer	JT	joint
E	East	KIT	kitchen
EA	each	KO	knockout
EB	expansion bolt	KS	knee space

L	length	RM	room
L.P.G.	liquified propane gas	RO	rough opening
LAB	laboratory	ROD	roof overflow drain
LAM	laminate(d)	ROW	right-of-way
LAV	lavatory	RPTD	recessed paper towel dispenser
LB	lag bolt	RPTR	recessed paper towel receptacle/disposal
LBL	label	RSCD	recessed seat cover dispenser
LLL	live load	RTPD	recessed toilet paper dispenser
LT	light	RTSB	rubber topset base
LT.WT.	lightweight	RWC	rainwater conductor
LVR	louver	S	South
M	modified	S.F.M.	State Fire Marshal
MAS	masonry	S.Y.	square yard
MATL	material(s)	SAR	supply air register
MAX	maximum	SC	solid core
MB	machine bolt	SCB	sheet cove base
MC	medicine cabinet	SCH	schedule
MECH	mechanic(al)	SD	storm drain
MED	medium	SECT	section
MFR(S)	manufacturer(s)	SFGL	safety glass
MH	manhole	SHT	sheet
MIN	minimum	SHTG	sheathing
MIR	mirror	SIM	similar
MISC	miscellaneous	SKYLT	skylight
MO	masonry opening	SNT	sealant
MOD	modular	SPEC	specification(s)
MOD.BIT.	modified bitumen	SQ	square
MOLD	molding, moulding	SS	service sink
MT(G), MTG	mount(ed),(ing)	SS	stainless steel
MTL	metal	STA	station
MULL	mullion	STC	sound transmission coefficient
MWP	membrane waterproofing	STD	standard
N	North	STL	steel
NAT	natural	STOR	storage
NIC	not in contract	STR	structural
NOM	nominal	SUSP	suspended
NR	noise reduction	SYST	system
NRC	noise reduction coefficient	T	tread
OBL	oblique	TAC	tectum acoustic panel
O/C	on center(s)	TEL	telephone
OD	outside diameter	THK	thick(ness)
OFD	overflow drain	TOGLB	top of glued laminated beam
OFS	overflow scupper	TOC	top of concrete
OH	overhead	TOP	top of parapet
OH	opposite hand	TOS	top of sheathing
OPG	opening	T.O. RC	top of reinforced concrete
OPP	opposite	T.O. RI	top of rigid insulation
PA	public address system	T.O.M.	top of masonry
PAR	parallel	TOW	top of wall
PART.BD.	particle board	TO PLY	top of plywood
PCC	pre-cast concrete	TPD	toilet paper dispenser
PCF	pounds per cubic foot	TPTN	toilet partition
PCPL	Portland cement plaster	TR	transom
PH	panic hardware	TS	top of steel
PKG	parking	TSCD	toilet seat cover dispenser
PL	property line	TV	television
PL	plate	TYP	typical
PL.GL.	plate glass	U.B.C.	Uniform Building Code
PLAM	plastic laminate	U.L.	Underwriters' Laboratory
PLAS	plaster	U.N.O.	unless noted otherwise
PLF	pounds per lineal foot	UC	undercut
PLWD	plywood	UNFIN	unfinished
PNL	panel	UR	urinal
PNT	paint(ed)	VAR	varies
PSF	pounds per square foot	VB	vapor barrier
PSI	pounds per square inch	VCR	video cassette recorder/player
PT	point	VCT	vinyl composition tile
PTD	painted	VERT	vertical
PTD	paper towel dispenser	VEST	vestibule
PTDF	pressure treated douglas fir	VF	vinyl fabric
PTF	flat paint	VG	vertical grain
PTG	gloss paint	VPL	veneer plaster
PTR	paper towel receptacle	VS	vent stack
PTS	semi-gloss paint	VTS	vinyl wrapped tack surface
PVC	polyvinyl chloride	VWC	vinyl wall covering
PVMT	pavement	VWP	vinyl wall covering over tackable panels
PWJ	plywood web joist	W	West
QT	quarry tile	W	width, wide
R	riser	W.I.C.	Woodworking Institute of California
RAD	radius	W/	with
RAR	return air register	W/O	without
RB	rubber base	WB	wood base
RCB	rubber carpet base	WC	water closet
RD	roof drain	WD	wood
RDWD	redwood	WDW	window
REF	reference	WG	wired glass
REFL	reflect(ed),(ive),(or)	WH	wallhung
REFR	refrigerator	WI	wrought iron
REG	register	WJ	weakened plane joint
REINF	reinforced (concrete pipe)	WKTP	walk top
RES	resilient	WP	wall panel
RET	return	WP	waterproofing
REV	revision	WPT	working point
RFG	roofing	WR	water repellent
RFND	recessed feminine napkin disposal	WSCT	wainscot
RFNS	recessed feminine napkin dispenser	WT	weight
RH	roof hatch	WTR	water
RHB	recessed hose bibb	WTW	wall to wall
RJ	roof jack	X	factory finish
RL	roof ladder	XG	existing grade
		YD	yard

GENERAL NOTES

1. **COORDINATION AND CLARITY:** FOR THE CLARITY OF SEPARATE ITEMS OF WORK, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, CIVIL AND LANDSCAPING ITEMS MAY NOT APPEAR ON THE ARCHITECTURAL DRAWINGS. THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO COMPLEMENT EACH OTHER, AND WHAT REQUIRED BY ONE SHALL BE REQUIRED BY ALL.

2. **JOB SITE OBSERVATIONS:** THE ARCHITECT AND CONSULTANT ENGINEERS WILL MAKE VISITS TO THE JOB SITE TO OBSERVE THE WORK TO DETERMINE, IN GENERAL, IF THE WORK IS BEING PERFORMED IN A MANNER INDICATING THAT THE WORK, WHEN COMPLETED, WILL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE JOB SITE OBSERVATIONS BY THE ARCHITECT AND CONSULTANT ENGINEERS DO NOT RELIEVE THE CONTRACTOR ANY OF HIS RESPONSIBILITY. THE JOB SITE OBSERVATION BY THE ARCHITECT AND CONSULTANT ENGINEERS DO NOT IN ANY WAY MEAN THAT THE ARCHITECT OR ENGINEER IS A GUARANTOR OF THE CONTRACTOR'S WORK, IN CONTROL OF THE SAFETY IN, ON, OR ABOUT THE JOB SITE, IN CONTROL OF THE SAFETY OR ADEQUACY OF ANY EQUIPMENT, BUILDING COMPONENT, SCAFFOLDING, FORMS, OR OTHER WORK AIDS; OR SUPERINTENDING THE WORK.

3. **DEFECTS IN THE WORK:** IF THE ARCHITECT OR CONSULTING ENGINEERS FIND DEFECTS IN THE WORK, THEY WILL NOTIFY THE CONTRACTOR SO THAT THE DEFECT MAY BE CORRECTED. IT IS NOT THE INTENT, UNDER ANY CIRCUMSTANCES, FOR THE ARCHITECT OR CONSULTING ENGINEER TO BECOME A GUARANTOR OF THE CONTRACTOR'S PERFORMANCE BY THESE ACTIVITIES. THE FACT THAT A CONSTRUCTION DEFECT OR ERROR GOES UNDETECTED DURING A JOB SITE OBSERVATION VISIT SHALL NOT MAKE THE ARCHITECT OR CONSULTING ENGINEERS NEGLIGENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCOVERY AND CORRECTIONS OF CONSTRUCTION DEFECTS AND ERRORS IN THE WORK, AND THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES AND THE SAFETY PRECAUTIONS REQUIRED FOR COMPLETING THE WORK AS INDICATE BY THE CONTRACT DOCUMENTS.

4. **DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION:** IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITION SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT ADDRESSED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK. (SECTION 4-317(C), PART 1, TITLE 24, CCR).

5. **EXISTING UTILITIES:** THE LOCATION OF EXISTING UNDERGROUND UTILITIES, IF SHOWN ON THE DRAWINGS, ARE SHOWN IN AN APPROXIMATE WAY ONLY, AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE DISTRICT OR ITS REPRESENTATIVES.
SHOULD UNIDENTIFIED UTILITIES BE DISCOVERED BY THE CONTRACTOR IN THE COURSE OF THE WORK, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER, AND SHALL UNDERTAKE WHATEVER EMERGENCY PROCEDURES HE DEEMS NECESSARY TO PROTECT PERSONS AND PROPERTY. THE OWNER SHALL REIMBURSE THE CONTRACTOR COST OF SUCH REPAIRS, IN ACCORDANCE WITH THE GENERAL CONDITIONS.
SHOULD THE CONTRACTOR DAMAGE A SITE UTILITY WHICH, BY REASONABLE CARE AND THE PERFORMANCE OF THE ABOVE PROCEDURES, THE CONTRACTOR SHOULD HAVE HAD KNOWLEDGE OF, THE CONTRACTOR SHALL BEAR THE COST OF REPAIR OF SUCH UTILITY, AND ANY COSTS THE DISTRICT MAY INCUR AS A RESULT OF THAT DAMAGE. IN ADDITION, THE DISTRICT MAY ASSESS THE CONTRACTOR FOR LIQUIDATED DAMAGES DUE TO THE DELAY CAUSED BY THE CONTRACTOR'S NEGLIGENCE.

6. **ADDENDA:** CHANGES OR ALTERATIONS OF THE APPROVED PLANS OR SPECIFICATIONS PRIOR TO LETTING A CONSTRUCTION CONTRACT FOR THE WORK INVOLVED SHALL BE MADE MEANS OF ADDENDA. ADDENDA SHALL BE MANUALLY SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF PREPARATION OF THE PLANS AND SPECIFICATIONS AND BY THE ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR THE PORTION AFFECTED BY THE ADDENDA AND SHALL BE APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, CCR PRIOR TO CONSTRUCTION OF THE RELEVANT WORK. ONE COPY IS RQUIRED FOR THE FILES OF THE DIVISION OF THE STATE ARCHITECT.

7. **CONSTRUCTION CHANGE DOCUMENT (CCD):** CHANGE OR ALTERATIONS OF THE APPROVED PLANS OR SPECIFICATIONS AFTER A CONTRACT FOR THE WORK HAS BEEN LET SHALL BE MADE BY MEANS OF CONSTRUCTION CHANGE DOCUMENT. CONSTRUCTION CHANGE DOCUMENTS SHALL STATE THE REASON FOR THE CHANGE AND SHALL BE ACCOMPANIED BY SUPPLEMENTARY DRAWINGS WHERE NECESSARY. ALL CONSTRUCTION CHANGE DOCUMENTS SHALL BE MANUALLY SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF OBSERVATION OF THE WORK OF CONSTRUCTION OF THE PROJECT AND BY THE ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR OBSERVATION OF THE PORTION OF THE WORK OF CONSTRUCTION AFFECTED BY THE CONSTRUCTION CHANGE DOCUMENT AND SHALL BEAR THE APPROVAL OF THE SCHOOL BOARD AND THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1, CCR PRIOR TO CONSTRUCTION OF THE RELEVANT WORK. ONE COPY OF EACH CONSTRUCTION CHANGE DOCUMENT IS REQUIRED FOR THE FILES OF THE DIVISION OF THE STATE ARCHITECT.

8. **FIRE AUTHORITY:** THE FIRE AUTHORITY HAVING JURISDICTION SHALL BE CONSULTED REGARDING ACCESS ROADS, GATES IN PERIMETER FENCES, LOCATION OF FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS, PORTABLE FIRE EXTINGUISHERS, AND FIRE PROTECTION DURING CONSTRUCTION.

9. **PROJECT INSPECTOR:** A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF SATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED SECTION 4-342, PART 1, TITLE 24, CCR. THE PROJECT INSPECTOR SHALL BE CERTIFIED BY DSA TO INSPECT CLASS 3 CONSTRUCTION.

10. **TESTING LABORATORY:** A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

11. **ALL WORK SHALL:** CONFORM TO TITLE 24 AND TITLE 19, 2022 CALIFORNIA CODE OF REGULATIONS (CCR).

12. **ALL WORK SHALL:** CONFORM TO CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION OF A BUILDING, 2022 CALIFORNIA FIRE CODE (CFC), AND CHATER 33 OF THE CALIFORNIA BUILDING CODE (CBC).

13. **MAINTAIN EXIT ROUTES:** REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION

14. **CONTRACTOR OPERATIONS:** SHALL NOT BLOCK, HINDER, IMPEDE OR OTHERWISE INHIBIT THE USE OF REQUIRED EXITS AT ANY TIME. CONTRACTOR SHALL MAINTAIN UNOBSTRUCTED ACCESS TO FIRE EXTINGISHERS, FIRE HYDRANTS, TEMEPORARY FIRE PROTECTION FACILITIES, STAIRWAYS AND OTHER ACCESS ROUTES FOR FIRE-FIGHTING EQUIPTMENTAND OR PERSONNEL.

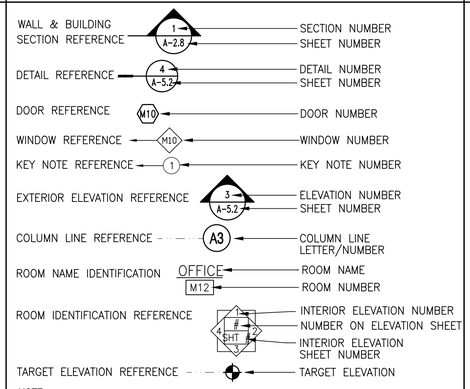
15. **GRADING PLANS:** DRAINAGE IMPROVEMENTS, ROADS AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEATLH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

APPLICABLE CODES AND STANDARDS

PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2023

2022 California Administrative Code, Part 1, Title 24 C.C.R.
2022 California Building Code (CBC), Part 2, Title 24, C.C.R.
(2021 International Building Code Volumes 1-2 and 2016 California Amendments)
2022 California Electrical Code (CEC), Part 3, Title 24 C.C.R.
2022 California Mechanical Code (CMC) Part 4, Title 24 C.C.R.
2022 California Plumbing Code (CPC) Part 5, Title 24 C.C.R.
2022 California Energy Code (CEC), Part 6, Title 24 C.C.R.
2022 California Fire Code, Part 9, Title 24 C.C.R.
2022 California Green Building Standards Code, Part 11, Title 24, C.C.R.
2022 California Referenced Standards, Part 12, Title 24 C.C.R.
Title 19 C.C.R., Public Safety, State Fire Marshal Regulations
2019 ASME A17.1 Safety Code for Elevators and Escalators

SYMBOL LEGEND



NOTE:
ITEMS AND DIMENSION ENCLOSED IN PARENTHISIS ARE (EXISTING).

DSA GENERAL REQUIREMENTS

ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR), CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT APPROVED BY THE DIVISION OF STATE ARCHITECT, AS REQUIRED BY SECTION 4–338, PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS.

FABRICATION AND INSTALLATION OF DEFERRED SUBMITTAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT OR STRUCTURAL ENGINEER AND APPROVED BY THE DSA. LIST DEFERRED SUBMITTAL ITEMS FOR THIS PROJECT.

A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.

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

DSA Stamp
IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

Issue Date:
DSA

Revisions:
1
2
3

Consultant Stamp:

Consultant:

VSVES05 40x48 RELO CR

VALLECITOS UNIFIED SCHOOL DISTRICT
40X48 RELOCATABLE CLASSROOM
for
TEMECULA VALLEY UNIFIED SCHOOL DISTRICT
CALIFORNIA
TEMECULA

Job N°.: VSVES05

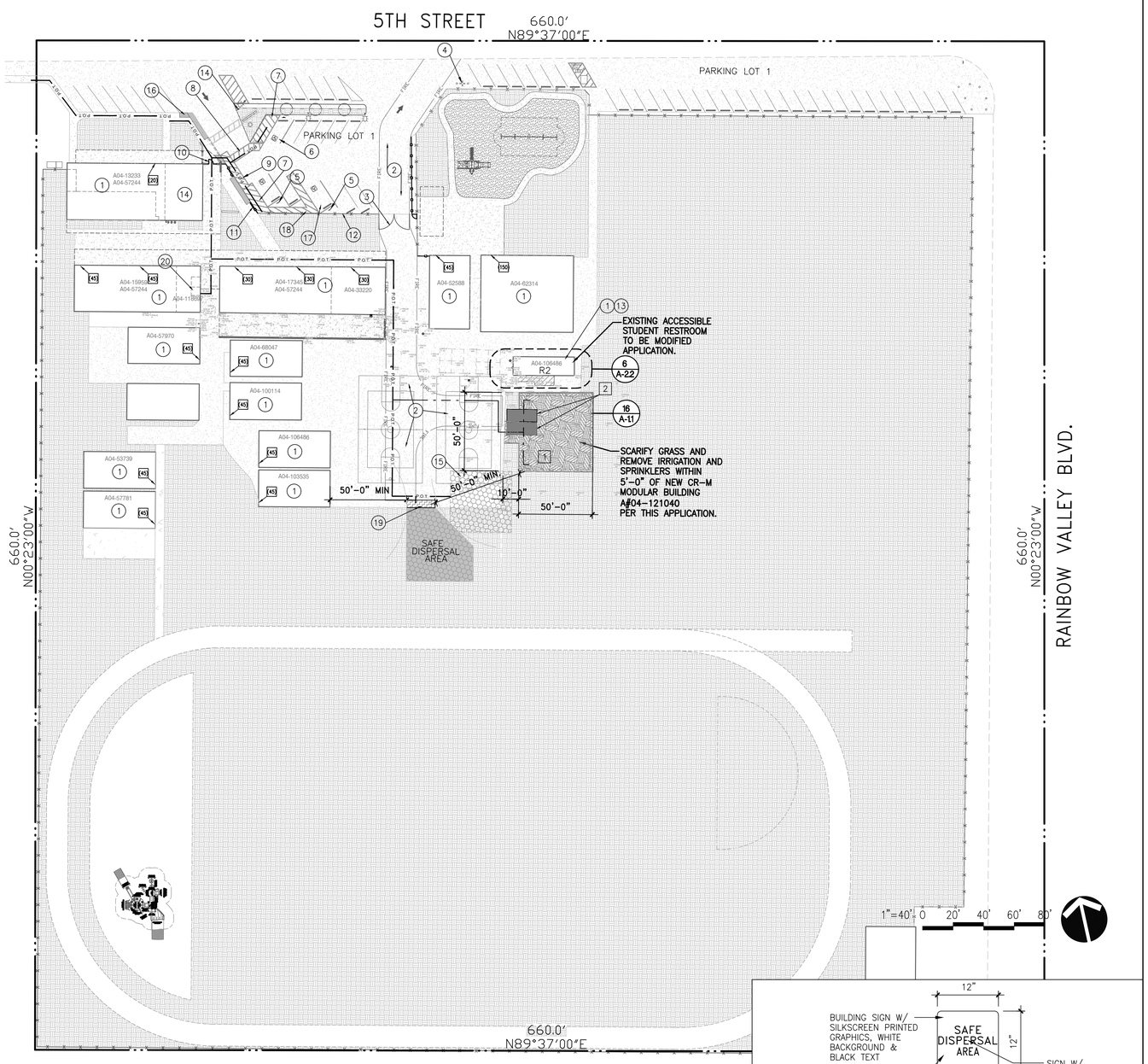
LICENSED ARCHITECT
REGISTERED PROFESSIONAL
Carlos Gil
C-26068
RENEWAL 08-31-2025
STATE OF CALIFORNIA

MGPA ARCHITECTURE
An Architectural Corporation
Mailing: 6965 El Camino Real, Suites 105-278
Carlsbad, CA 92009
Tele: (760) 929-1500 Fax: (760) 929-1506

MGPA ARCHITECTURE

Sheet Title:
GENERAL NOTES & ABBREVIATIONS

Sheet Number:
T-1.2



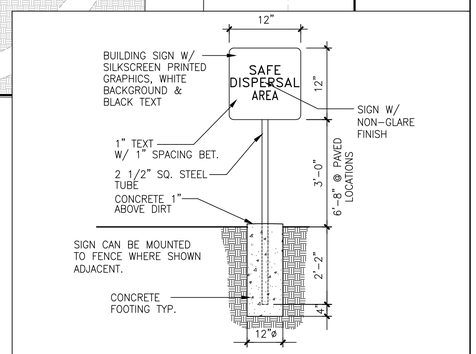
NEW SAFE DISPERSAL AREA:

620 OCC. X 3/PERSON = 1860 SF REQUIRED

TOTAL AREA PROVIDED: 1860 SF
ACCESSIBLE SAFE DISPERSAL AREA :
5% OF 1860 SF = 93 SF
ACCESSIBLE AREA PROVIDED = 93 SF

16 CODE COMPLIANCE, EXISTING AND DEMO SITE PLAN

SCALE: 1" = 40'-0"



18 SAFE DISPERSAL AREA

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

1/2" SignParkng04.dwg

ACCESSIBLE PATH OF TRAVEL:

EXISTING P.O.T PER A#04-118697 ——P.O.T.——P.O.T.——P.O.T.——P.O.T.——
NEW P.O.T. THIS APPLICATION — · — · — · — · —

ACCESSIBLE PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE, EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE (CBC 11B-302 AND 11B-303). SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2%, AND SLOPE IN THE DIRECTION OFTRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED
(CBC 11B-402).

(POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (APPENDIX-C) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80". ARCHITECT AND CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL.

OPENINGS IN GRATINGS AT DRAINS LOCATED IN THE SURFACE OF ANY PEDESTRIAN WAYS OF TRAVEL SHALL BE LIMITED TO 1/2" MAXIMUM IN DIRECTION OF TRAFFIC FLOW. BROOKS NO. 1212 (ADA) OR EQUAL.

THE PRIMARY ACCESSIBLE PATH OF TRAVEL SHALL INCLUDE:
(CBC 11B-202.4)
1. PROVIDE ENGINEERED WOOD CHIPS FROM RAMP TO PLAY EQUIPMENT AND SWINGS. COMPRESS AND PROVIDE MIN. THICKNESS PER DSA BU 08-07.

AS INDICATED THE (POT) SHALL PROVIDE GENERAL ACCESSIBILITY AND MAY CONSIST OF A COMBINATION OF THE FOLLOWING CODE COMPLIANT, ACCESSIBLE ELEMENTS:
1. EXISTING RAMP TO PLAY EQUIPMENT.

ELEMENTS ABOVE ARE WITHOUT THE FOLLOWING HAZARDS:
1. WOOD CHIPS TO BE FILLED AS REQUIRED TO THE MAX 4" BELOW CURB/EDGE.
2. OVERHANGING OBJECTS LESS THAN 80" ABOVE THE PEDESTRIAN SURFACE.

THE OWNER SHALL MAINTAIN THESE CONDITIONS, AND CHANGES SHALL NOT REDUCE ACCESSIBILITY.

DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:
THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

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

DSA 810

FIRE & LIFE SAFETY SITE CONDITIONS SUBMITTAL

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

To facilitate the Division of the State Architect's (DSA) fire and life safety plan review of project site conditions, DSA requires the design professional to provide the following information at time of project submittal for projects consisting of construction of a new campus, construction of new building(s), additions to existing buildings, and for site alternate design means for fire department emergency vehicle access, and fire suppression water supply.

Information associated with compliance items 1 through 3 below is to be provided for all project types indicated above. Information associated with items 4 through 7 is to be completed when an alternate means is utilized. Acknowledgement by the school district and signature from the Local Fire Authority (LFA) is only required when an alternate design means is being requested.

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

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

PROJECT INFORMATION	
School District/Owner:	Vallecitos Unified School District
Project Name/School:	Vallecitos Elementary 40x48 Relocatable Classroom
Project Address:	5211 5th Street, Fallbrook CA 92028

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

EXISTING KEYNOTES: (#)

1. (E) BUILDING PER APPROVED A# AS INDICATED
2. (E) 20' WIDE ASPHALT FIRE LANE, PROTECT DURING CONSTRUCTION.
3. (E) 6' HIGH X 20' WIDE CHAIN LINK GATE
4. (E) FIRE HYDRANT
5. (E) VAN ACCESSIBLE PARKING STALL PER A#04-118708
6. (E) ACCESSIBLE PARKING STALL PER A#04-118708
7. (E) ACCESSIBLE PARKING AISLE PER A#04-118708
8. (E) ACCESSIBLE CROSSWALK PER A#04-118708
9. (E) ACCESSIBLE DROP-OFF PER A#04-118708
10. (E) CAMPUS ENTRY PER A#04-118708
11. (E) ORNAMENTAL GATE PER A#04-118708
12. (E) CHAIN LINK FENCE
13. (E) STUDENT RESTROOM
14. (E) TOW AWAY SIGN PER A#04-118708
15. (E) SAFE DISPERSAL SIGN TO BE RELOCATED.
16. (E) TRUNCATED DOMES PER A#04-118708.
17. (E) ACCESSIBLE PARKING PER A#04-121254
18. (E) ACCESSIBLE PARKING AISLE PER A#04-121254
19. RELOCATED SAFE DISPERSAL SIGN PER DET. 18/-
20. (E) STAFF RESTROOM PER A# 04-118697

NOTE:
1. ALL DEMOLITION SHALL COMPLY WITH CH.33 CBC AND CHAPTER 33 CFC.
2. (E) OCCUPANT LOAD (#)

DEMO KEYNOTES: (#)

1. DEMOLISH LANDSCAPING AND REMOVE IRRIGATION AS NEEDED FOR NEW RELO CLASSROOM.
2. RELOCATE (2) 8'x40' STORAGE CONTAINER A MINIMUM 20'-0" AWAY FROM ANY BUILDING AND PER DISTRICT DIRECTION.
3. DEMOLISH ASPHALT ALONG PATH OF TRAVEL AS NECESSARY TO COMPLY WITH 5" MAX SLOPE & 2% MAX SLOPE REQUIREMEINTES.

NOTE:
1. PROTECT-IN-PLACE EXISTING U.O.N.

PARKING SUMMARY:

PARKING LOT 1:

STANDARD PARKING STALLS:	25
ACCESSIBLE PARKING STALLS:	2
VAN ACCESSIBLE PARKING STALLS:	1
TOTAL PARKING:	28

PARKING LOT 2:

STANDARD PARKING STALLS:	31
ACCESSIBLE PARKING STALLS:	0
VAN ACCESSIBLE PARKING STALLS:	0
TOTAL PARKING:	31

LEGEND

- PROPERTY LINE
- (E) ORNAMENTAL FENCE
- (E) CHAINLINK FENCE
- (E)FIRE LANE A# 04-118697
- (E)FIRE HYDRANT
- (E) ACCESSIBLE PATH OF TRAVEL PER A#04-118697
- (N) ACCESSIBLE PATH OF TRAVEL
- (E) ASPHALT PAVING
- (E) CONCRETE PAVING
- (E) TURF AREA
- (E) SAFE DISPERSAL AREA PER A#04-118697 TOTAL AREA PROVIDED: 1590 SF
- NEW SAFE DISPERSAL AREA TOTAL AREA PROVIDED: 1860 SF
- NEW ACCESSIBLE PORTION OF THE SAFE DISPERSAL AREA ACCESSIBLE AREA PROVIDED: 950 SF
- GRASS AND IRRIGATION AREA TO BE DEMOLITION FOR PLACEMENT OF NEW 40X48 MODULAR BUILDING.

GENERAL NOTES

1) NEW BUILDING SHALL BE PROVIDED WITH EMERGENCY RESPONDER RADIO COVERAGEIN ACCORDANCE WITH CALIFORNIA FIRE CODE SECTION 510. THE PROJECT ARCHITECT (AOR) SHALL CONTACT THE LOCAL FIRE DEPARTMENT AND /OR EMERGENCY COMMUNICATIONS AUTHORITY TO OBTAIN DESIGN, EQUIPMENT SPECIFICATIONS, TESTING AND ACCEPTANCE CRITERIA. PLANS AND REQUESTED DOCUMENTATION SHALL BE SUBMITTED TO THE LOCAL AUTHORITY HAVING JURISDICTION FOR REVIEW AND APPROVAL UPON COMPLETION, COPIES OF THE APPROVED PLANS, EQUIPMENT DATA SHEETS, TESTING AND ACCEPTANCE DOCUMENTATION SHALL BE PROVIDED TO THE SCHOOL DISTRICT.
– THIS REQUIREMENT IS EXEMPT FOR BUILDINGS AND STRUCTURES THAT ARE THREE STORIES OR LESS PER SAN DIEGO COUNTY FIRE DEPARTMENT OFFICE OF THE FIRE MARSHALL TECHNICAL POLICY #19-002.

DSA Stamp

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

Issue Date:
DSA

Revisions:
1
2
3

Consultant Stamp:

Consultant:

VSVES05 40x48 RELO CR

VALLECITOS UNIFIED SCHOOL DISTRICT
40X48 RELOCATABLE CLASSROOM
for
TEMECULA VALLEY UNIFIED SCHOOL DISTRICT
TEMECULA CALIFORNIA

Job Nº.: VSVES05

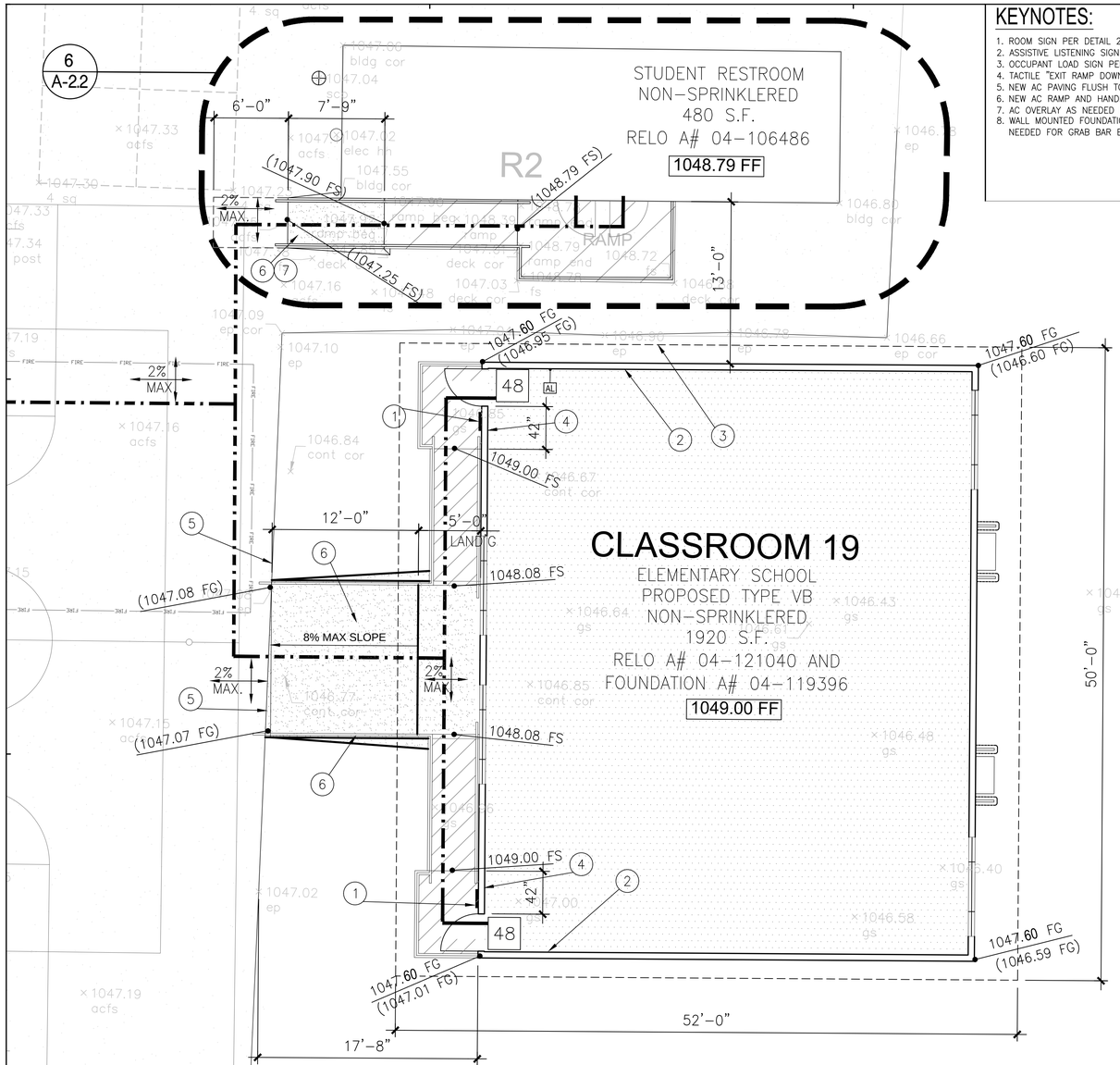
LICENSED ARCHITECT FRED HERNANDEZ C-29008 REN. 02-28-25 STATE OF CALIFORNIA

MGPA ARCHITECTURE
An Architectural Corporation
Mailing: 6965 El Camino Real, Suites 105-278
Carlsbad, CA 92009
Tele: (760) 929-1500 Fax: (760) 929-1506

MGPA ARCHITECTURE

Sheet Title:
CODE COMPLIANCE, EXISTING & DEMO SITE PLAN

Sheet Number:
A-1.0

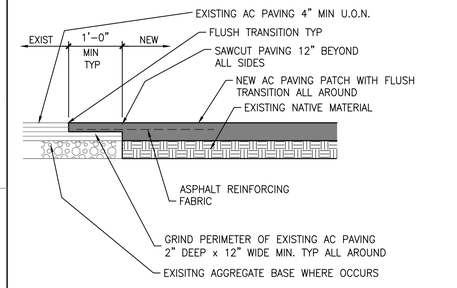


11 ENLARGED SITE PLAN

SCALE: 3/16" = 1'-0"

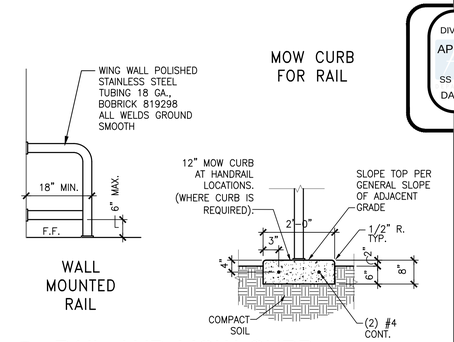
KEYNOTES:

1. ROOM SIGN PER DETAIL 20/A-2.2
2. ASSISTIVE LISTENING SIGN PER DETAIL 17/-.
3. OCCUPANT LOAD SIGN PER DETAIL 16/-
4. TACTILE "EXIT RAMP DOWN" SIGN PER SIGNAGE DETAIL19/-
5. NEW AC PAVING FLUSH TO EXISTING PER DETAIL 4/-
6. NEW AC RAMP AND HANDRAIL EXTENSION PER DETAIL 14/-
7. AC OVERLAY AS NEEDED PER DETAIL 9/-
8. WALL MOUNTED FOUNDATION GRAB BAR AND MOW STRIP AS NEEDED FOR GRAB BAR BOBRICK 819298. SEE DETAIL 5/-



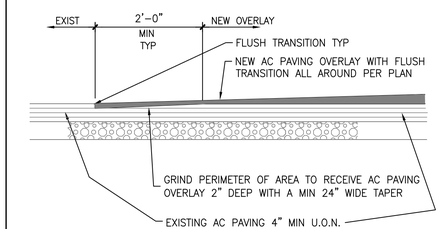
4 AC PAVING TRANSITION

SCALE: 3/4"=1'-0" 3/4" ACtrans01.dwg



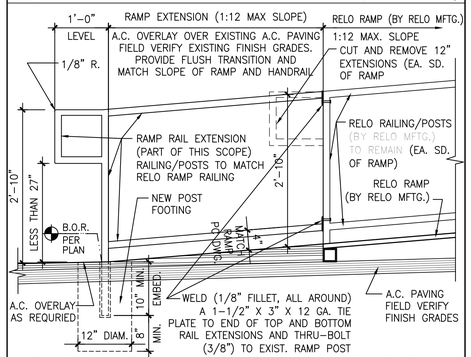
5 RAIL AND MOW CURB

SCALE: 1/2"=1'-0" 1/2" grab bar.dwg



9 AC OVERLAY TRANSITION

SCALE: 3/4"=1'-0" 3/4" ACtrans02.dwg



14 RAMP & HANDRAIL EXTENSION

SCALE: 3/4"=1'-0" 3/4" ConcWalk01.dwg

LEGEND

(E) ASPHALT PAVING

A — ASSISTIVE LISTENING SYSTEM, COMPLYING WITH CBC 11B-219 & 11B-706. PROVIDE FOUR HEARING AID COMPATIBLE RECEIVERS PER CLASSROOM. SEE ALS RECEIVER SIGN PER DETAIL 17/A-1.1.

ASSISTIVE LISTENING SYSTEM NOTES:

1. ASSISTIVE-LISTENING SYSTEMS SHALL BE PROVIDED IN ACCORDANCE WITH CBC SECTION 11B-219 AND SHALL COMPLY WITH CBC SECTION 11B-706.
2. THE MINIMUM NUMBER OF RECEIVERS TO BE PROVIDED SHALL BE EQUAL TO 4% OF THE TOTAL NUMBER OF SEATS, BUT IN NO CASE LESS THAN TWO. 25% MINIMUM OF RECEIVERS PROVIDED, BUT NO FEWER THAN TWO, SHALL BE HEARING-AID COMPATIBLE IN ACCORDANCE WITH CBC SECTION 11B-706.3.
3. IF SYSTEM PROVIDED IS LIMITED TO SPECIFIC AREAS OR SEATS, THEN SUCH AREAS OR SEATS SHALL BE WITHIN A 50-FOOT VIEWING DISTANCE OF, AND HAVE A COMPLETE VIEW OF, THE STAGE OR PLAYING AREA PER CBC SECTION 11B-219.4.
4. ALTERNATIVE ALS SYSTEM REQUIREMENTS:
   FOR EACH SCHOOL, PROVIDE 2 PORTABLE ASSISTIVE LISTENING SYSTEMS, EACH WITH A TRANSMITTER AND A MINIMUM OF 2 RECEIVERS, FOR USE IN CLASSROOMS WITHOUT AUDIO AMPLIFICATION. THE ASSISTIVE LISTENING RECEIVERS AND TRANSMITTER SHALL BE STORED IN THE SCHOOL SITE ADMINISTRATION OFFICE UNTIL REQUESTED.
   IN ADDITION, PROVIDE AN ASSISTIVE LISTENING SYSTEM FOR ASSEMBLY AREAS SUCH AS MULTI-PURPOSE ROOMS, CAFETERIAS, LECTURE HALLS OR OTHER ASSEMBLY AREAS. IF THE ROOM HAS NO FIXED SEATING, CALCULATE THE NUMBER OF SEATS USING 7 S.F. PER OCCUPANT. PROVIDE 4% OF ASSISTIVE LISTENING RECEIVERS FOR TOTAL NUMBER OF SEATS IN EACH ASSEMBLY AREA, BUT NO LESS THAN 2. THE ASSISTIVE LISTENING RECEIVERS SHOULD BE STORED IN OR NEAR THE ASSEMBLY AREA.

WALL TYPES

2X6 WALL

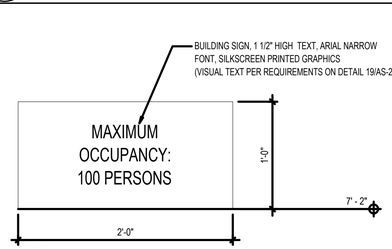
OCCUPANT LOAD CALCULATION

— NEW EXIT OCCUPANT LOAD

MINIMUM REQUIRED EGRESS WIDTH (PER C.B.C 1005.1)
THE TOTAL WIDTH OF MEANS OF EGRESS IN INCHES SHALL NOT BE LESS THAN THE TOTAL OCCUPANT LOAD SERVED BY MEANS OF EGRESS MULTIPLIED BY 0.3 INCHES PER OCCUPANT FOR STAIRWAYS AND 0.2 INCHES PER OCCUPANT FOR OTHER EGRESS COMPONENTS.

MGPA-OCCUPANCY SCHEDULE

Name	Number	Occupancy	Function	Area	LoadFactor	Occupant Load	# of Exits
CLASSROOM		E	INSTRUCTIONAL SPACE	1920 SF	20	96	2
BOY'S R.R.		E	STUDENT RESTROOM	224 SF	20	6	1
GIRL'S R.R.		E	STUDENT RESTROOM	200 SF	20	6	1



* NOTE:
ACTUAL OCCUPANCY PER FLOOR PLANS

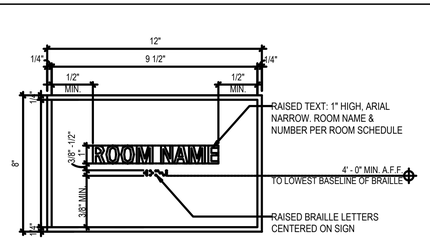
16 ROOM OCCUPANCY SIGN

SCALE: 1 1/2"=1'-0" 1 1/2" SignOccupLoad01.dwg



17 ASSISTIVE LISTENING SIGN

SCALE: N.T.S. N.T.S. SignAssLis01.dwg

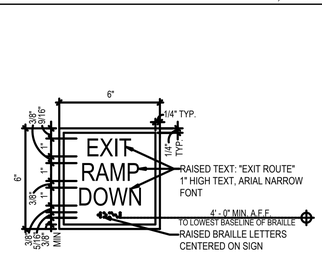


ROOM SIGNAGE AND PICTOGRAMS SHALL BE FABRICATED FROM 1/4" THICK ENGRAVED ALUMINUM WITH PEBBLE BACKGROUND RECESSED 1/16" WITH 1/4" BORDER, PICTOGRAMS AND TEXT. PROVIDE BACKED ENAMEL FINISH CUSTOM COLOR. RAISED SURFACES SHALL BE PAINTED CONTRASTING COLOR. COLORS TO BE SELECTED BY THE DISTRICT.

REFER TO SIGNAGE NOTES, DETAILS 19,20/A-2.2 FOR BRAILLE REQUIREMENTS

18 PERMANENT ROOM ID SIGN

SCALE: N.T.S.

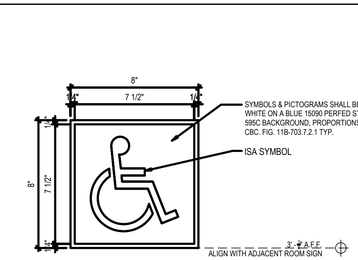


ROOM SIGNAGE AND PICTOGRAMS SHALL BE FABRICATED FROM 1/4" THICK ENGRAVED ALUMINUM WITH PEBBLE BACKGROUND RECESSED 1/16" WITH 1/4" BORDER, PICTOGRAMS AND TEXT. PROVIDE BACKED ENAMEL FINISH CUSTOM COLOR. RAISED SURFACES SHALL BE PAINTED CONTRASTING COLOR. COLORS TO BE SELECTED BY THE DISTRICT.

REFER TO SIGNAGE NOTES, DETAILS 19,20/A-2.2 FOR BRAILLE REQUIREMENTS

19 TACTILE SIGNAGE REQUIREMENT

SCALE: N.T.S.



ROOM SIGNAGE AND PICTOGRAMS SHALL BE FABRICATED FROM 1/4" THICK ENGRAVED ALUMINUM WITH PEBBLE BACKGROUND RECESSED 1/16" WITH 1/4" BORDER, PICTOGRAMS AND TEXT. PROVIDE BACKED ENAMEL FINISH CUSTOM COLOR. RAISED SURFACES SHALL BE PAINTED CONTRASTING COLOR.

20 TACTILE SIGNAGE REQUIREMENT

SCALE: N.T.S.

DSA Stamp

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

Issue Date:
DSA

Revisions:
1
2
3

Consultant Stamp:

Consultant:

VSVES05 40x48 RELO CR

VALLECITOS UNIFIED SCHOOL DISTRICT
40X48 RELOCATABLE CLASSROOM
for
TEMECULA VALLEY UNIFIED SCHOOL DISTRICT
TEMECULA CALIFORNIA

Job N°: VSVES05

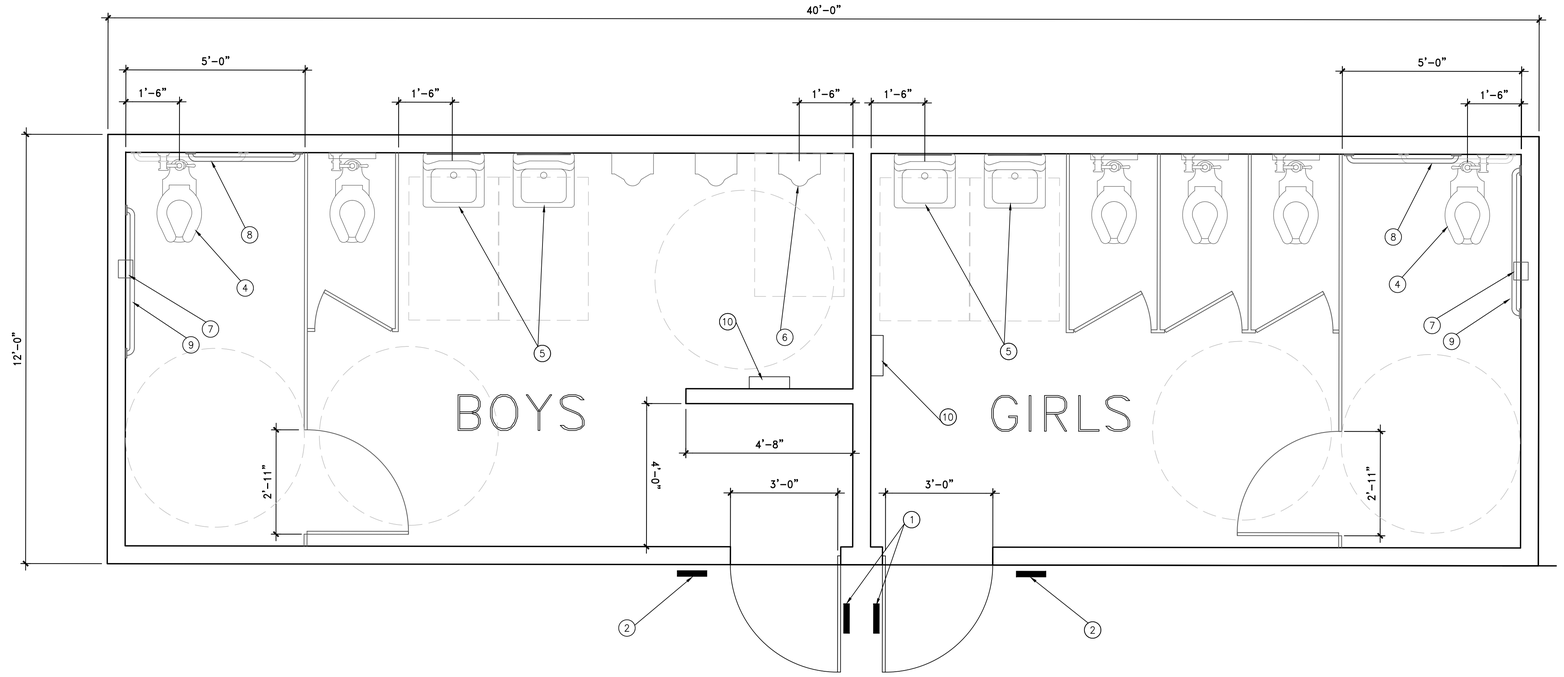
LICENSED ARCHITECT
STEVEN HERMAN KWAN
No. C-26909
REN 02-28-25
STATE OF CALIFORNIA

MGPA ARCHITECTURE
An Architectural Corporation
Mailing: 6965 El Camino Real, Suites 105-278
Carlsbad, CA 92009
Tele: (760) 929-1500 Fax: (760) 929-1506

MGPA ARCHITECTURE

Sheet Title:
ENLARGE SITE PLAN AND SITE DETAILS

Sheet Number:
A-1.1

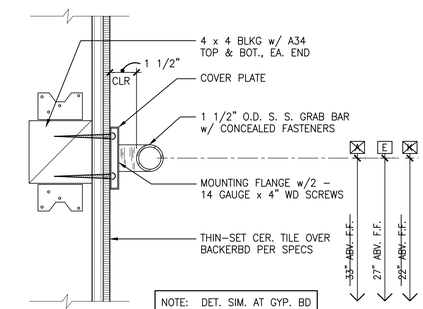


6 EXISTING RESTROOM DEMO AND NEW WORK (PC A#04-106486)

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

KEYNOTES:

1. (N) RESTROOM DOOR SIGN, PER DETAIL 16/-.
2. (N) ROOM SIGNAGE, PER DETAIL 16/-.
3. (E) EXIT SIGNAGE, TYP., TO REMAIN.
4. (E) ACCESSIBLE WATER CLOSET, TO BE REPLACED PER SPEC AND. REF TO DET 11/- & 12/- FOR INSTALATION
5. (E) ACCESSIBLE LAVATORY, ELEMENTARY HEIGHT, TO REMAIN.REF TO DETAILS 13/- & 14/-
6. (E) ACCESSIBLE URINAL TO REMAIN.
7. (E) ACCESSIBLE TOILET PAPER DISP. BOBRICK B667, TO BE RELOCATED. SEE DET 11/- & 12/-
8. (E) GRAB BAR, TO BE RELOCATED PER DET 10/-, 11/- & 12/-
9. (E) GRAB BAR, TO REMAIN. REF TO DET 11/- & 12/-
10. (N) PAPER TOWEL DISPENSER PER DETAIL 15/-.



10 GRAB BAR WALL DETAIL

SCALE: 3"=1'-0"

3" GrabBarWall01.dwg

DSA Stamp

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

Issue Date: DSA

Revisions: 1 2 3

Consultant Stamp:

Consultant:

VSVES05 40x48 RELO CR

VALLECITOS UNIFIED SCHOOL DISTRICT
40X48 RELOCATABLE CLASSROOM
for
TEMECULA VALLEY UNIFIED SCHOOL DISTRICT
TEMECULA CALIFORNIA

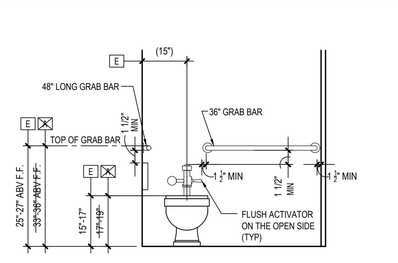
Job Nº.: VSVES05

MGPA ARCHITECTURE
An Architectural Corporation
Mailing: 6965 El Camino Real, Suites 105-278
Carlsbad, CA 92009
Tele: (760) 929-1500 Fax: (760) 929-1506

MGPA ARCHITECTURE

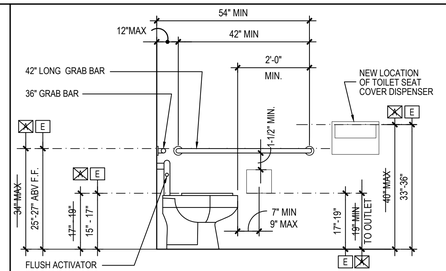
Sheet Title: EXISTING RESTROOM DEMO, NEW WORK AND DETAILS

Sheet Number: A-2.2



11 (E) ACC. TOILET STALL FRONT

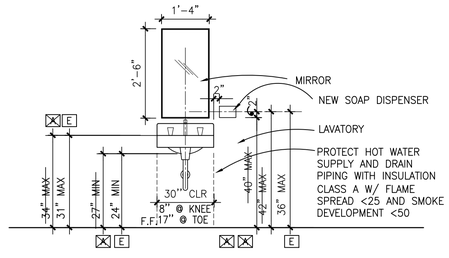
SCALE: 1/2"=1'-0"



12 (E) ACC. TOILET STALL SIDE

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

1/2" DPWCSideElev_REVIT.dwg



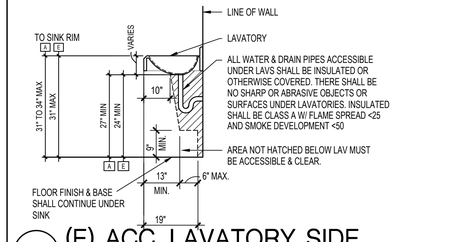
13 (E) ACC. LAVATORY FRONT

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

1/2" DPLavElev01.dwg

MOUNTING HEIGHT LEGEND
A ADULT HEIGHT (AGES 13 UP)
E ELEMENTARY HEIGHT (AGES 9-12)

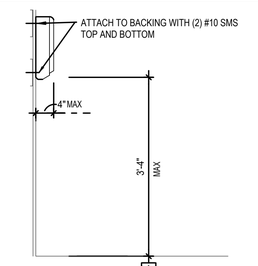
NOTE:
FAUCET CONTROLS & OPENING MECHANISMS SHALL BE OPERABLE WITH ONE HAND & SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE CONTROLS SHALL BE NO MORE THAN 5 LBS. LEVER OPERATED, PUSH TYPE & ELECTRONICALLY CONTROLLED MECHANISMS ARE ACCEPTABLE. SELF CLOSING VALVES ARE ALLOWED IF THE FAUCET REMAINS OPEN FOR AT LEAST 10 SECONDS.



14 (E) ACC. LAVATORY SIDE

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

N.T.S. DPLavSideElev_REVIT

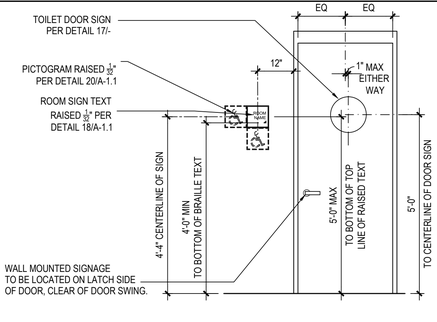


MOUNTING HEIGHT LEGEND
~~A ADULT HEIGHT (AGES 13 UP)~~
E ELEMENTARY SCHOOL HEIGHT (AGES 5-8)

15 PAPER TOWEL DISPENSER

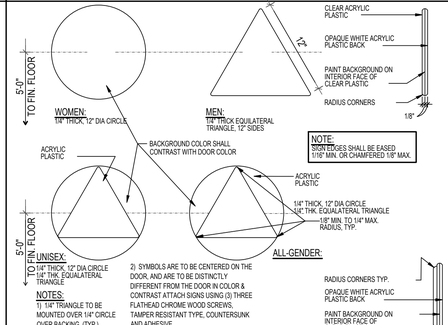
SCALE: –

3/4" DPTrash+Paperdisp_Revit.dwg



16 (E) ROOM SIGNAGE ELEVATION

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



17 (E) TYP. TOILET DOOR SIGNAGE

SCALE: NTS

NTS SIGNDOORRR_ALL-GENDER_REVIT.dwg

11B-703.7.2.6.4 Edges and Vertices on Geometric Symbols

Edges shall be eased or rounded at $^1/_{16}$ inch (1.59 mm) minimum, or chamfered at $^1/_8$ inch (3.2 mm) maximum. Vertices shall be radiused between $^1/_8$ inch (3.2 mm) minimum and $^1/_4$ inch (6.4 mm) maximum.

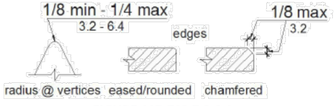


FIGURE 11B-703.7.2.6.4
EDGES AND VERTICES ON GEOMETRIC SYMBOLS

18 SIGNAGE NOTES

SCALE: NTS

11B-703 Requirements for Raised Characters, Braille and Visual Characters

Raised characters shall comply with CBC Section 11B-703.2.
•Characters shall be raised 1/32 inch (0.8 mm) minimum above their background, shall be sans serif uppercase letters, and shall be duplicated in Braille.
•Character height shall be 5/8 inch (15.9 mm) minimum and 2 inches (51 mm) maximum based on the height of the uppercase letter "I". CBC Section 11B-703.2.5
•Characters and their background shall have a non-glare finish. Character shall contrast with their background with either light characters on a dark background or dark characters on a light background. CBC Section 11B-703.5.1
•Characters shall be selected from fonts where the width of the uppercase letter "O" is 60% minimum and 110% maximum of the height of the uppercase letter "I". Stroke thickness of the uppercase letter "I" shall be 15% maximum of the height of the character. CBC Sections 11B-703.2.4 and 11B-703.2.6
•Character spacing between individual raised characters shall comply with CBC Section 11B-703.2.7 and 11B-703.2.8
•Line Spacing: Spacing between the baselines of separate lines of raised characters within a message shall be 135 percent min. and 170 percent max. of the raised character height. 11B-703.2.9
•Text shall be in a horizontal format. CBC Section 11B-703.2.9

Braille:
•Braille shall be contracted (Grade 2) and shall comply with CBC Sections 11B-703.3 and 11B-703.4. •Braille dots shall have a domed or rounded shape and shall comply with CBC Table and Figure 11B-703.3.1. The indication of an uppercase letter shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.
•11B-703.3.2 Position. Braille shall be positioned below the corresponding text in a horizontal format, flush left or centered. If text is multi-lined, Braille shall be placed below the entire text. Braille shall be separated 3/8" min. and 1/2" max. from any other tactile characters and 3/8" min. from raised borders and decorative elements.

Tactile:
•Tactile characters on signs shall be located 48" minimum to the baseline of the lowest Braille cells and 60" maximum to the baseline of the highest line of raised characters above the finish floor or ground surface. CBC Section and Figure 11B-703.4.1
•Tactile signs shall be located per CBC Section and Figure 11B -703.4.2 as follows:
-alongside a single door at the latch side.
-on the inactive leaf at double doors with one active leaf.
-to the right of the right hand door at double doors with two active leafs.
-on the nearest adjacent wall where there is no wall space at the latch side of a single door or at the right side of double doors with two active leafs.
-so that a clear floor space of 18" x18" minimum, centered on the tactile characters, is provided beyond the arc of any door swing between the closed position and 45 degree open position.

Visual Characters:
•Visual characters shall comply with CBC Section 11B-703.5 and shall be 40" minimum above finish floor or ground. Character height shall be determined based upon height above ground and horizontal viewing distance per CBC Table 11B-703.5.5
•Proportions for Visual Characters shall be selected from fonts where the width of the uppercase letter "O" is 60 % minimum and 110 % maximum of the height of the uppercase letter "I". Stroke thickness shall be 10% minimum and 20% maximum of the height of the character. CBC Sections 11B-703.5.4 and 11B-703.5.7
•Pictograms shall comply with CBC Section 11B-703.6.
•Symbols of accessibility shall comply with CBC Section 11B-703.7.
•Variable message signs shall comply with CBC Section 11B-703.8.

19 SIGNAGE NOTES

SCALE: NTS

Braille

11B-703.3 Braille. *Braille shall be contracted (Grade 2) and shall comply with Sections 11B-703.3 and* ***11B-703.4.***

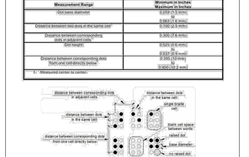
11B-703.3.1 Dimensions and capitalization. *Braille dots shall have a domed or rounded shape and shall comply with Table 11B-703.3.1. The indication of an uppercase letter or letters shall only be used before the first word of sentences, proper nouns and names, individual letters of the alphabet, initials, and acronyms.*

11B-703.3.2 Position. *Braille shall be positioned below the corresponding textin a horizontal format, flush left or centered. If text is multi-lined, Braille shall beplaced below the entire text. Braille shall be separated 3/8 inch (9.5 mm) minimum and 1/2 inch (12.7 mm) maximum from any other tactile characters and 3/8 inch (9.5 mm) minimum from raised borders and decorative elements.*

Table 11B-703.3.1 Braille Dimensions1

Measurement Range	Minimum in Inches; Maximum in Inches
Dot base diameter	0.059 in (1.5 mm); 0.063 in (1.6 mm)
Distance between two dots in the same cell	0.100 in (2.5 mm); 0.120 in (3.0 mm)
Distance between corresponding dots from cell to adjacent cell	0.300 in (7.6 mm); 0.400 in (10.2 mm)
Dot height	0.025 in (0.6 mm); 0.037 in (0.9 mm)
Distance between corresponding dots from one cell directly below	0.395 in (10.0 mm); 0.400 in (10.2 mm)

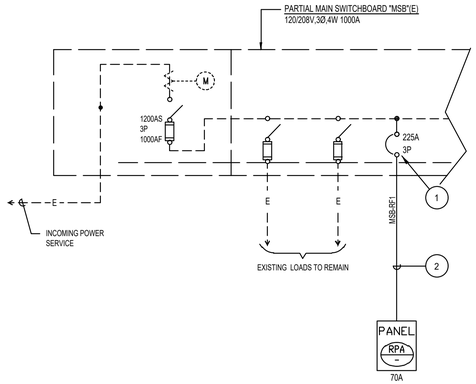
1. Measured center to center.



20 BRAILLE NOTES

SCALE: NTS

SINGLE LINE DIAGRAM



SINGLE LINE DIAGRAM NOTES:

1. **ALL EXISTING SHOWN DASHED IS EXISTING. ALL OTHER EQUIPMENT SHOWN IN SOLID LINES IS NEW AND SHALL BE PROVIDED AS PART OF THE CONTRACT.**
2. **THE EXISTING POWER SERVICE HAS BEEN SUFFICIENT CAPACITY TO SUPPORT THE NEW LOAD INDICATED.**

PLAN NOTES

1. PROVIDE NEW CIRCUIT BREAKER DEVICE IN SPACE OF EXISTING SWITCHBOARD INCLUDING ALL REQUIRED MOUNTING HARDWARE. AIC RATING OF NEW SHALL MATCH RATING OF EXISTING SWITCHBOARD EQUIPMENT.
2. PROVIDE 4 - 250MCM, 1#4 GRD. - 3"C.

TEMECULA VALLEY USD — PROJECT NO. 229.177

VOLTS 120/208 — PANELBOARD RPA (NEMA 3R) — MAIN 225A/3P
PHASE 3PH. 4W — BUS 225A
MTG SURFACE — LOCATION PORTABLE BLDGS — 10KAIC

	<-- LOAD (VA) -->			LOAD		OUTLET				<-- LOAD (VA) -->			LOAD		OUTLET		
CKT	A	B	C	TYPE	BKR	QUAN		DESCRIPTION		CKT	A	B	C	TYPE	BKR	QUAN	DESCRIPTION
1	6860	-----	-----	G	100/2	1		PORTABLE PANEL-A	A	2	-----	-----			100/2	1	SPARE
3	-----	5964	-----	-	--	-		--	B	4	-----		-----		--	-	--
5	-----	-----	6680	G	100/2	1		PORTABLE PANEL-B	C	6	-----	-----			100/2		SPARE
7	5964	-----	-----	-	--	-		--	A	8	-----	-----			--		--
9	-----		-----		100/2			SPARE	B	10	-----		-----		100/2		SPARE
11	-----	-----			--			--	C	12	-----	-----			--		--
13		-----	-----					PROVISIONS	A	14		-----	-----				PROVISIONS
15	-----		-----					PROVISIONS	B	16	-----		-----				PROVISIONS
17	-----	-----						PROVISIONS	C	18	-----	-----					PROVISIONS
19		-----	-----					PROVISIONS	A	20		-----	-----				PROVISIONS
21	-----		-----					PROVISIONS	B	22	-----		-----				PROVISIONS
23	-----	-----						PROVISIONS	C	24	-----	-----					PROVISIONS
25		-----	-----					PROVISIONS	A	26		-----	-----				PROVISIONS
27	-----	-----						PROVISIONS	B	28	-----	-----					PROVISIONS
29	-----	-----						PROVISIONS	C	30	-----	-----					PROVISIONS
31	-----		-----					PROVISIONS	A	32	-----		-----				PROVISIONS
33	-----	-----						PROVISIONS	B	34	-----	-----					PROVISIONS
35	-----	-----						PROVISIONS	C	36	-----	-----					PROVISIONS
37	-----	-----	-----					PROVISIONS	A	38	-----	-----					PROVISIONS
39	-----		-----					PROVISIONS	B	40	-----		-----				PROVISIONS
41	-----	-----						PROVISIONS	C	42	-----	-----					PROVISIONS

CONNECTED:	VA	AMPS
PHASE A =	12824	107
PHASE B =	5964	50
PHASE C =	6680	56
TOTAL =	25468	71

L.C.L. @ 125% =
RECEPT. (> 10 kVA @ 50%) =
KITCHEN @ 65% =
OTHER LOAD @ 100% = 25468
TOTAL VA = 25468
TOTAL AMPS = 71

LOAD TYPE:
G - GENERAL (100%) M - MOTOR (100%)
L - L.C.L. (125%) M1 - MOTOR (125%)
R - RECEPTACLE (50%) X - X-RAY (100%)
(10 kVA @ 100%) X1 - X-RAY (50%)
K - KITCHEN (65%)

SYMBOL LIST

(ALL SYMBOLS NOT NECESSARILY USED ON THESE DRAWINGS)
ALL SYMBOL DESCRIPTIONS ARE SUBJECT TO MODIFICATION AS NOTED ON THE DRAWINGS

AMP, A	AMPERE
A.I.C.	AMPERES INTERRUPTING CAPACITY (SYMMETRICAL)
AF/AT	AMP FRAME, AMP TRIP
CIRC.,CKT.	CIRCUIT
C	CONDUIT
C.O.	CONDUIT ONLY.
E	EXISTING EQUIPMENT OR DEVICE TO REMAIN
R	EXISTING EQUIPMENT OR DEVICE TO BE REMOVED
EMS	ENERGY MANAGEMENT CONTROL SYSTEM
E-O-L	END-OF-LINE CIRCUIT TERMINATOR.
EF	EXHAUST FAN
FT or '	FEET
FA	FIRE ALARM
FLA	FULL LOAD AMPS
GFI	GROUND FAULT INTERRUPTER.
GRD	GROUND
HP	HORSEPOWER
TSP	TWISTED (NON SHEILDED) PAIR
IN. or "	INCHES
J-BOX	JUNCTION BOX
KILOVOLT AMPERES	KILOVOLT AMPERES
KW	KILOWATT
LCL	LONG CONTINUOUS LOAD
L.F.	LINEAR FEET
LTG, LTS	LIGHTING
MCB	MAIN CIRCUIT BREAKER
MCM	THOUSAND CIRCULAR MILS
MTD	MOUNTED
NEC	NATIONAL ELECTRICAL CODE
NIC	NOT IN CONTRACT
NO. or #	NUMBER
PH. OR ø	PHASE
PROVIDE	FURNISH, INSTALL AND CONNECT.
PUBLIC ADDRESS	PUBLIC ADDRESS
REC., RECEPT	RECEPTACLE
U.N.O.	UNLESS NOTED OTHERWISE

S 2, P a, b — SINGLE POLE TOGGLE SWITCH, ON FLUSH WALL MOUNTED OUTLET BOX, +45". INSTALL MULTIPLE SWITCHES UNDER COMMON COVER PLATE. SUBSCRIPT OR SUPERSCRIPT AT SWITCH SYMBOL INDICATES THE FOLLOWING:
2 - DOUBLE POLE 4 - FOUR WAY M - MANUAL MOTOR STARTERS
3 - THREE WAY P - PILOT LIGHT K - KEY OPERATED
R - SPDT MOMENTARY CONTACT RELAY SWITCH V - VAPOR PROOF
a,b,c,d, ETC. - MULTIPLE SWITCHES WITH IDENTIFICATION OF OUTLET CONTROLLED.

DUPLEX CONVENIENCE RECEPTACLE VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX, +18". STEM INDICATES WALL MOUNTED OUTLET BOX, TYPICAL.

DUPLEX CONVENIENCE RECEPTACLE HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH.

DUPLEX CONVENIENCE RECEPTACLE SPLIT WIRED, ON FLUSH WALL MOUNTED OUTLET BOX, +18".

DOUBLE DUPLEX (FOUR-PLEX) CONVENIENCE RECEPTACLE ON ONE FLUSH WALL MOUNTED OUTLET BOX +18".

SINGLE RECEPTACLE, NEMA CONFIGURATION PER EQUIPMENT MANUFACTURER REQUIREMENTS, ON FLUSH WALL MOUNTED OUTLET BOX, +18".

DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, VERTICAL ON FLUSH WALL MOUNTED OUTLET BOX +18".

DUPLEX CONVENIENCE RECEPTACLE WITH INTERNAL GROUND FAULT INTERRUPTER, HORIZONTAL ON FLUSH WALL MOUNTED OUTLET BOX, +6" ABOVE COUNTER SPLASH.

WP — DUPLEX CONVENIENCE RECEPTACLE, WITH INTERNAL GROUND FAULT INTERRUPTER, IN FLUSH WALL MOUNTED ENCLOSURE WITH HINGED DOOR. LOCK AND KEY, +18".

WP — DUPLEX CONVENIENCE RECEPTACLE, WITH INTERNAL GROUND FAULT INTERRUPTER, ON FLUSH WALL MOUNTED OUTLET BOX WITH SPRING DOOR COVER, +18".

P — DUPLEX CONVENIENCE RECEPTACLE ON FLUSH CEILING MOUNTED OUTLET BOX FOR CEILING MOUNTED PROJECTOR.

J — JUNCTION BOX, FLUSH WALL MOUNTED, +18".

J — JUNCTION BOX CONCEALED ABOVE ACCESSIBLE CEILING.

J — INDICATES CONNECTION TO EQUIPMENT AS REQUIRED, TYPICAL.

A / E-1 — PANELBOARD, ADJACENT LINE INDICATES PANEL FRONT. ADJACENT BALLOON INDICATES PANEL DESIGNATION "A", SEE DRAWING E-1 FOR PANEL SCHEDULE.

TERMINAL CABINET OR EQUIPMENT CABINET. ADJACENT LINE INDICATES CABINET FRONT.

A / E-1 — FLOOR STANDING SWITCHGEAR ADJACENT BALLOON INDICATES EQUIPMENT DESIGNATION "DBA", SEE DRAWING E-1 FOR SINGLE LINE DIAGRAM AND/OR SCHEDULE.

CIRCUIT BREAKER STATIONARY (NON-DRAWOUT), SECONDARY VOLTAGE.

WAP — DATA DROP LOCATION WITH TWO (2) CONNECTORS AND 15 FEET OF SLACK CABLE LOCATED IN ACCESSIBLE CEILING SPACE FOR WIRELESS ACCESS POINT EQUIPMENT. CABLE SHALL BE COILED-UP AND BUNDLE AT THE LOCATION INDICATED FOR FUTURE CONNECTION TO WIRELESS ACCESS POINT EQUIPMENT BY THE DISTRICT.

AV — AUDIO/VISUAL SYSTEM - 1"C. WITH CONDUCTORS AS SPECIFIED.

B-5, 7, 9 — HOMERUN TO PANEL "B" FOR CIRCUITS 5, 7, 9 WITH COMMON NEUTRAL.

UNDERGROUND CONDUIT STUBOUT, STUB 5'-0" FROM BUILDING OR WALKWAY, CAP, MARK AND RECORD.

CIRCUIT BREAKER WITH ZERO SEQUENCE GROUND FAULT RELAY SYSTEM.

TRANSFORMER; KVA, LINE AND LOAD VOLTAGE RATINGS AS INDICATED.

E OR — FUSED SAFETY SWITCH (DISCONNECT), HORSE POWER RATED. MOUNT ON WALL +45", OR ON EQUIPMENT +36". PROVIDE SWITCH AND FUSES SIZED PER EQUIPMENT MANUFACTURER REQUIREMENTS.

CONDUIT, INSTALLED CONCEALED IN WALL OR IN CEILING SPACE.
3/4" C - 2 #12,1#12 GRD. — 3/4" C - 6 #12,1#12 GRD.
3/4" C - 3 #12,1#12 GRD. — 1" C - 7 #12,1#12 GRD.
3/4" C - 4 #12,1#12 GRD. — 1" C - 8 #12,1#12 GRD.
3/4" C - 5 #12,1#12 GRD. — 1 1/4" C - 9 #12,1#12 GRD.

CONDUIT, INSTALLED CONCEALED IN OR UNDER FLOOR OR BELOW GRADE, 3/4" CONDUIT MINIMUM.

CONDUIT, INSTALLED EXPOSED.

C — TELEPHONE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX +18", WITH DESK MOUNTED DEVICE WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE. "C" INDICATES HORIZONTAL IN FLUSH WALL MOUNTED OUTLET BOX +6" ABOVE COUNTER SPLASH.

TELEPHONE OUTLET, ON FLUSH WALL MOUNTED OUTLET BOX +45", WITH WALL MOUNTED DEVICE WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE.

BATTERY TYPE ANALOG CLOCK. WALL MOUNTED AT +90".

INTRUSION DETECTION SYSTEM MOTION SENSOR, ON CEILING MOUNTED OUTLET BOX, +90". WITH 1" CONDUIT TO ACCESSIBLE CEILING SPACE.

S — SPEAKER, HOUSING & GRILLE, FLUSH CEILING MOUNTED.

P1 — PUBLIC ADDRESS SYSTEM - 3/4"C., WITH WITH (1) SET OF CONDUCTORS AS SPECIFIED.
P2 - 3/4"C., WITH TWO (2) SETS OF CONDUCTORS AS SPECIFIED.
P3 - 1"C., WITH THREE (3) SETS OF CONDUCTORS AS SPECIFIED.
P4 - 1"C., WITH FOUR (4) SETS OF CONDUCTORS AS SPECIFIED.
P5 - 1 1/4"C., WITH FIVE (5) SETS OF CONDUCTORS AS SPECIFIED.

ID — INTRUSION DETECTION SYSTEM - 3/4"C., WITH CONDUCTORS AS SPECIFIED.

D1 — COMPUTER/DATA PROCESSING SYSTEM - 1"C. WITH CONDUCTORS AS SPECIFIED.
D2 - 1"C. WITH CONDUCTORS AS SPECIFIED.
D3 - 1"C. WITH CONDUCTORS AS SPECIFIED.
D4 - 1 1/4"C. WITH CONDUCTORS AS SPECIFIED.
D5 - 1 1/4"C WITH CONDUCTORS AS SPECIFIED.

COMPUTER OUTLET WITH ONE (1) COMPUTER CONNECTOR, ON FLUSH WALL MOUNTED OUTLET BOX, +18", UNLESS NOTED OTHERWISE. "C" INDICATES HORIZONTAL FLUSH WALL MOUNTED OUTLET BOX +6" ABOVE COUNTER SPLASH. PROVIDE 1" CONDUIT INTO CEILING SPACE.

C — COMPUTER OUTLET WITH TWO (2) COMPUTER CONNECTORS, ON FLUSH WALL MOUNTED OUTLET BOX, +18", UNLESS NOTED OTHERWISE. "C" INDICATES HORIZONTAL FLUSH WALL MOUNTED OUTLET BOX + 6" ABOVE COUNTER SPLASH. PROVIDE 1" CONDUIT INTO CEILING SPACE.

C — COMPUTER OUTLET WITH THREE (3) COMPUTER CONNECTORS, ON FLUSH WALL MOUNTED OUTLET BOX, +18", UNLESS NOTED OTHERWISE. "C" INDICATES HORIZONTAL FLUSH WALL MOUNTED OUTLET BOX + 6" ABOVE COUNTER SPLASH. PROVIDE 1" CONDUIT INTO CEILING SPACE.

SCHOOL EQUIPMENT ANCHORAGE NOTES

MEP COMPONENT ANCHORAGE NOTE

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

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

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

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

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

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

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

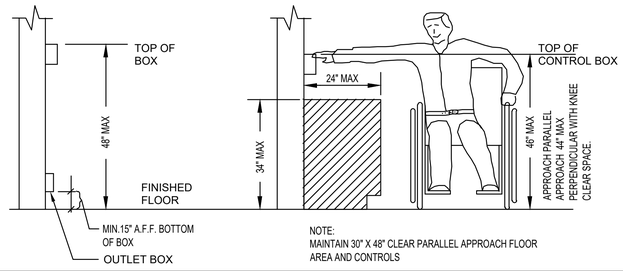
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (e.g., HCAI OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL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

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

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

MP☐ MD☐ PP☐ E☐ - OPTION 2: SHALL COMPLY WITH APPLICABLE HCAI (OSHPD) PRE-APPROVAL (OPM#) #_____.

NOTE:
FORWARD APPROACH FOR DEVICES MOUNTED ABOVE COUNTER ASSUMES THAT DIRECTLY BELOW THE DEVICE, THE COUNTER HAS A 30" MINIMUM WIDE x 2" MINIMUM HIGH x A DEPTH EQUAL TO THE DEPTH OF THE DEVICE FROM THE COUNTER FRONT CLEAR OPENING. CBC 11B-306 &11B-308



NOTE:
MAINTAIN 30" X 48" CLEAR PARALLEL APPROACH FLOOR AREA AND CONTROLS

MOUNTING HEIGHT OVER OBSTRUCTIONS

GENERAL NOTES

1. THESE DRAWINGS AND SPECIFICATIONS ARE INTENDED TO COVER A COMPLETE INSTALLATION OF SYSTEMS. THE OMISSION OR EXPRESSED REFERENCE TO ANY ITEM OF LABOR OR MATERIALS REQUIRED FOR THE PROPER EXECUTION OF THE WORK IN ACCORDANCE WITH PRESENT PRACTICE OF THE TRADE SHALL NOT RELIEVE THE CONTRACTOR FROM PROVIDING SUCH ADDITIONAL LABOR AND MATERIALS.
2. REFER TO THE ARCHITECTURAL DRAWINGS FOR NOTES AND OTHER ELECTRICAL REQUIREMENTS NOT SHOWN ON THE ELECTRICAL DRAWINGS AND TO DETERMINE EXISTING CONSTRUCTION TO REMAIN AS WELL AS NEW CONSTRUCTION. IF THERE ARE OMISSIONS OR CONFLICTS BETWEEN THE ELECTRICAL DOCUMENTS AND THE DOCUMENTS OF OTHER TRADES, CLARIFY THESE POINTS WITH THE ARCHITECT BEFORE SUBMITTING A BID. NO EXTRA PAYMENT WILL BE ALLOWED FOR FAILURE TO OBTAIN THIS INFORMATION.
3. THESE PLANS, SPECIFICATIONS, AND ALL MATERIALS SHALL BE IN FULL ACCORDANCE WITH ALL LEGAL AND INDUSTRY REQUIREMENTS, AND STANDARDS INCLUDING WITHOUT LIMITATION TO THE FOLLOWING:
   a. CALIFORNIA CODE OF REGULATIONS TITLE 24, PARTS 1 AND 2 (CALIFORNIA BUILDING CODE), 2022 EDITION.
   b. CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 3 (CALIFORNIA ELECTRICAL CODE), 2022 EDITION.
   c. CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 6 (CALIFORNIA ENERGY CODE), 2022 EDITION.
   d. CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 9 (CALIFORNIA FIRE CODE), 2022 EDITION.
   e. OTHER REGULATING AGENCIES WHICH MAY HAVE AUTHORITY OVER ANY PORTION OF THE WORK, INCLUDING THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY, AND THOSE CODES AND STANDARDS LISTED IN THESE NOTES AND SPECIFICATIONS.
   f. THE ELECTRICAL SYSTEMS FUNCTIONALITY STANDARDS SET FORTH IN TITLE 7 OF THE CALIFORNIA CIVIL CODE (THE "RIGHT TO REPAIR ACT")
   g. THE MANUFACTURER'S REQUIREMENTS OR RECOMMENDATIONS FOR ANY INCORPORATED PRODUCTS.
   h. THE MOST CURRENT APPROVED ISSUES OF ANY NOTED SPECIFICATIONS, CODES AND STANDARDS, INCLUDING SUPPLEMENTS, UNLESS NOTED OTHERWISE.
4. THE PLANS REPRESENT ONLY THE FINISHED ELECTRICAL, FIRE ALARM, AND LOW VOLTAGE SYSTEMS, AND THEY ARE NOT INTENDED TO INDICATE OR REQUIRE ANY CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES.
5. IN USING THE PLANS FOR BIDDING OR CONSTRUCTION PURPOSES, THE CONTRACTOR IS REQUIRED TO REVIEW ALL OF THE PROJECTS CONSTRUCTION DOCUMENTS AS A WHOLE IN ORDER TO IDENTIFY ALL REQUIREMENTS THAT DIRECTLY OR INDIRECTLY AFFECT ITS PORTION OF THE ELECTRICAL WORK, EVEN IF REQUIREMENTS LOCATED IN SECTIONS DESIGNATED AS APPLICABLE TO OTHER TRADES. IN CASE OF CONFLICTS, THE CONTRACTOR SHALL EITHER OBTAIN DIRECTION FROM AN APPROPRIATE OWNER REPRESENTATIVE OR OTHERWISE APPLY THE MORE STRINGENT REQUIREMENT.
6. IN INTERPRETATING THE PLANS, THE FOLLOWING GENERAL RULES APPLY:
   a. WRITTEN DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALED DRAWINGS.
   b. SCALED DIMENSIONS AND GRAPHICALLY SHOWN LOCATIONS ARE TO BE CONSIDERED ONLY APPROXIMATE. FIELD VERIFY DIMENSIONS PRIOR TO BID.
7. SUBMITTALS WILL BE REVIEWED BY THE ELECTRICAL ENGINEER, IF AT ALL, ONLY PURSUANT TO THE INDUSTRY STANDARD PROTOCOL SET FORTH IN A1A DOCUMENT A201, AND IN NO EVENT WILL THE SUBMITTAL REVIEW PROCESS RELIEVE OR LESSEN THE SUBMITTING CONTRACTOR'S RESPONSIBILITY FOR AN INAPPROPRIATE SUBMITTAL.
8. IN NO EVENT WILL ANY SITE VISITS BY THE ELECTRICAL ENGINEER CONCERN CONSTRUCTION MEANS AND METHODS OR CONSTRUCTION SAFETY, AND ALL SUCH MATTERS SHALL REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
9. BEFORE SUBMITTING A BID, THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH ALL FEATURES OF THE EXISTING BUILDINGS AND SITE, AND ALL DRAWINGS WHICH MAY AFFECT THE EXECUTION OF THE WORK. NO EXTRA PAYMENT WILL BE ALLOWED FOR FAILURE TO OBTAIN THIS INFORMATION.
10. THE DRAWINGS INDICATE IN A DIAGRAMMATIC MANNER, THE DESIRED LOCATIONS OF ARRANGEMENT OF THE COMPONENTS OF ELECTRICAL WORK. DETERMINE EXACT CONDUIT ROUTING, CONDUIT BENDS, AUXILIARY JUNCTION BOXES, SUPPORTS, AND UNDEFINED CONSTRUCTION DETAILS AS A JOB CONDITION TO BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE CODE REQUIREMENTS. PROPER JUDGEMENT MUST BE EXERCISED IN EXECUTING THE WORK SO AS TO SECURE THE BEST POSSIBLE INSTALLATION IN THE AVAILABLE SPACE, AND TO OVERCOME LOCAL DIFFICULTIES DUE TO SPACE LIMITATIONS OR INTERFERENCE OF CONDITIONS ENCOUNTERED.
11. THE DRAWINGS INDICATE APPROXIMATE LOCATIONS OF EXISTING CONDUITS. THE EXACT ROUTING SHALL BE VERIFIED IN FIELD AND LENGTH OF CONDUCTORS SHALL BE ADJUSTED TO THE LENGTH REQUIRED.
12. PERFORM CUTTING AND PATCHING ON THE CONSTRUCTION WORK WHICH MAY BE REQUIRED FOR THE PROPER INSTALLATION OF THE ELECTRICAL WORK. PATCHING SHALL BE OF THE SAME MATERIAL, WORKMANSHIP AND FINISH AS SPECIFIED AND ACCURATELY MATCH SURROUNDING WORK TO SATISFACTION OF THE ARCHITECT.
13. PROVIDE UL LISTED FIRE STOP FOR ALL PENETRATIONS THROUGH FIRE RATED WALLS AND CEILINGS TO MAINTAIN ALL FIRE RATINGS. THE FIRE STOP MATERIALS SHALL BE RE-ENTERABLE AND REUSABLE.
14. GROUNDING SHALL BE EXECUTED IN ACCORDANCE WITH ALL APPLICABLE CODES AND REGULATIONS, BOTH OF THE STATE OF CALIFORNIA AND LOCAL AUTHORITIES HAVING JURISDICTION.
15. COORDINATE MOUNTING HEIGHTS OF RECEPTACLES, SWITCHES, A/V DEVICES, SECURITY DEVICES, ETC. MOUNTED ON COMMON WALLS SO THAT ALL OUTLETS ARE MOUNTED TO ALIGN HORIZONTALLY.
16. NOTIFY THE ARCHITECT IN WRITING WHEN INSTALLATION IS COMPLETE AND THAT A FINAL INSPECTION OF THIS WORK CAN BE PERFORMED. IN THE EVENT DEFECTS OR DEFICIENCIES ARE FOUND DURING THIS FINAL INSPECTION, THEY SHALL BE CORRECTED TO THE SATISFACTION OF THE ARCHITECT BEFORE FINAL ACCEPTANCE CAN BE ISSUED.

DSA Stamp

Issue Date: DSA

Revisions:
1 ADD #1
2
3

Consultant Stamp:

REGISTERED PROFESSIONAL ENGINEER — STEPHEN R. ZANTOW — No. E 10372 Exp. 09-30-24 — ELECTRICAL — STATE OF CALIFORNIA

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VSVES06 40x48 RELO CR

VALLECITOS ELEMENTARY
PORTABLE BUILDING
for
VALLECITOS UNIFIED SCHOOL DISTRICT
FALLBROOK CALIFORNIA

Job N°.: VSVES06

LICENSED ARCHITECT — STEPHEN VERNAMONTI — RENEWAL 08-31-25 — STATE OF CALIFORNIA

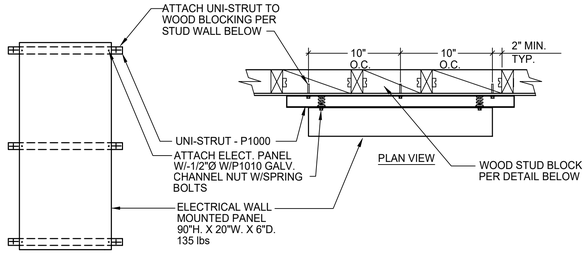
MGPA ARCHITECTURE
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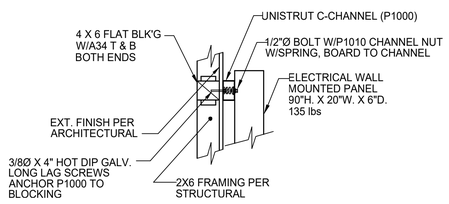
Sheet Title:
SYMBOL LIST, GENERAL NOTES AND SINGLE LINE DIAGRAM

Sheet Number:
E-0.1

FBA Engineering / Plot Date: 5/21/2025 4:44 PM / Plotted by: Blake Meech / Drawing Location: I:\229\177\E-0.1_229177.dwg



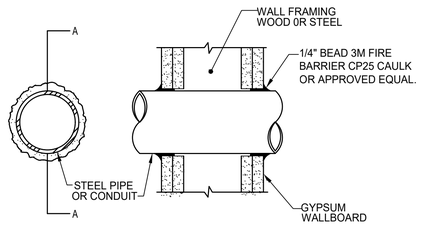
FRONT ELEVATION



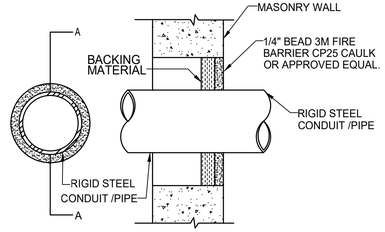
WOOD STUD WALL

WALL MOUNTED ELEC EQUIPMENT ANCHORAGE

SCALE: NONE | 5



FRAMED WALL PENETRATION



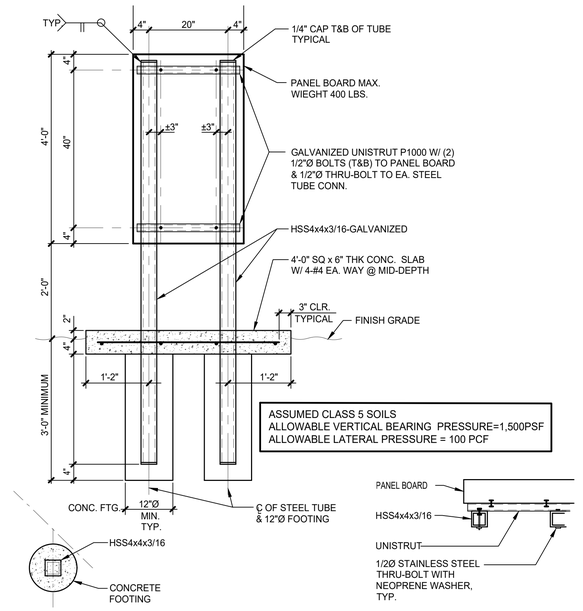
MASONRY WALL PENETRATION

NOTE:

PENETRATION IN FIRE-RESISTIVE WALLS, PARTITIONS AND FLOORS WHERE PROTECTED OPENINGS ARE REQUIRED SHALL BE FIRE STOPPED USING APPROVED MATERIALS, SECURELY INSTALLED AND CAPABLE OF MAINTAINING THEIR INTEGRITY AND PREVENTING THE MOVEMENT OF HOT FLAMES OR GASSES THROUGH THE VOID SPACES BETWEEN PENETRATING MATERIALS AND WALLS, PARTITIONS AND FLOORS WHEN TESTED IN ACCORDANCE WITH ASTM STANDARD E-814 OR UL STANDARD 1479.

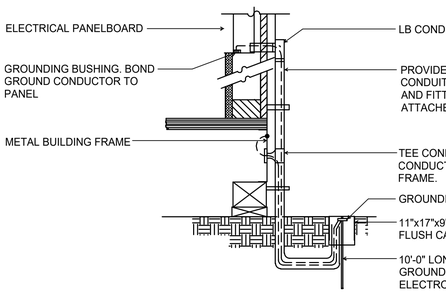
CONDUIT PENETRATION DETAIL

SCALE: NONE | 3



PANELBOARD MOUNTING DETAIL

SCALE: NONE | 1

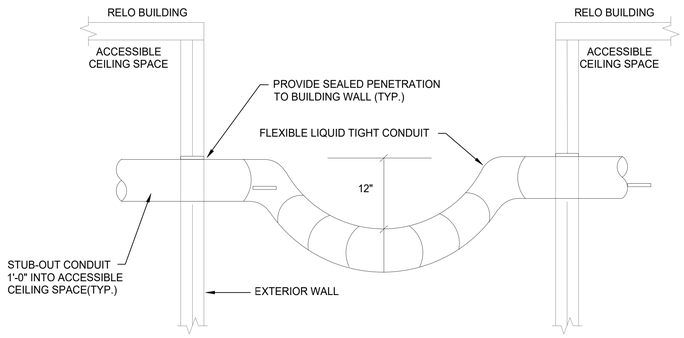


NOTES:

1. SIZE OF CONDUCTORS SHALL COMPLY WITH CEC. TABLE 250.66.
2. BOND SEPARATE CONDUCTORS FROM GROUND ROD TO ELECTRICAL PANEL AND TO METAL BUILDING FRAME (CEC 250.52). IN ADDITION TO THE DETAIL SHOWN ABOVE, BOND THE ELECTRICAL GROUND TO METAL UNDERGROUND WATER PIPE IN DIRECT CONTACT WITH THE EARTH FOR 10 FT. OR MORE, IF AVAILABLE (CEC 250.52)
3. ALL MODULES OF METAL FRAME BUILDINGS SHALL BE ELECTRICALLY BONDED TOGETHER. (BOLTING ONLY IS NOTE ACCEPTABLE BONDING.)
4. GROUNDING EARTH RESISTANCE SHALL NOT EXCEED 25 OHMS IF A SINGLE ROD,PIPE OR PLATE HAS EARTH RESISTANCE IN EXCESS OF 25 OHMS, SUPPLEMENTAL GROUNDING ELECTRODES SHALL BE ADDED AT 6 FEET MINIMUM INTERVALS IN ORDER TO ACHIEVE EARTH RESISTANCE OF LESS THAT 25 OHMS
5. WHERE MODULAR BUILDINGS ARE GROUPED TOGETHER, A GROUND ROD MAY BE INSTALLED AT THE END BUILDINGS AND A GROUND RING MAY BE INSTALLED BETWEEN THEM. EACH INTERMEDIATE MODULAR BUILDING MAY BE BONDED TO THAT GROUND RING. WHERE THIS METHOD IS USED, GROUND RESISTANCE TESTING SHALL NOT BE REQUIRED.
6. WHERE MODULAR BUILDINGS ARE INSTALLED ON CONCRETE FOUNDATIONS, A UFER GROUND SHALL BE INSTALLED IN THE FOOTING PER CEC 250.52 (A)(3).
7. OTHER GROUNDING METHODS IDENTIFIED IN CEC 250 SHALL BE ACCEPTABLE MEANS TO ACHIEVE ADEQUATE GROUNDING OF METAL BUILDINGS IN COMPLIANCE WITH THE ABOVE.
8. SEE SPECIFICATIONS FOR TESTING OF GROUNDING REQUIRED.

MODULAR BUILDING GROUND DETAIL

SCALE: NONE | 4



NOTES:

TO BE USED WHEN CONNECTING TWO BUILDINGS FOR NO MORE THAN 6' SEPARATION. SIZE OF CONDUIT AS REQUIRED. FOR DISTANCES IN EXCESS OF 6' PROVIDE UNDERGROUND INSTALLATION.

CONDUIT SEISMIC SLEEVE

SCALE: NONE | 2

NOT USED

SCALE: NONE | 6

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

Issue Date: DSA

Revisions: 1 2 3

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fba@cox.com
FBA Job Number: 229.177

VSVES06 40x48 RELO CR

VALLECITOS ELEMENTARY
PORTABLE BUILDING

for

VALLECITOS UNIFIED SCHOOL DISTRICT
FALLBROOK CALIFORNIA

Job N°.: VSVES06

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MGPA ARCHITECTURE

Sheet Title: ELECTRICAL DETAILS

Sheet Number: E-0.2

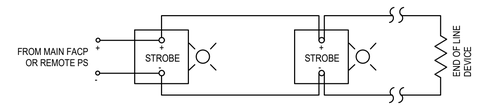
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FIRE ALARM SEQUENCE OF OPERATION

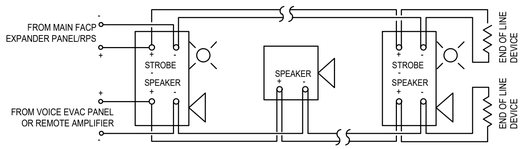
ACTION / DEVICE	AREA SMOKE DETECTOR	ATTIC SPACE HEAT DET.	GROUND FAULT/ SHORT CIRCUIT	LOW BATT	FACP 120VAC POWER FAIL	NOTES
ANNUNCIATE ALARM AT FACP AND REMOTE ANNUNCIATOR	X	X				
ANNUNCIATE SUPERVISORY CONDITION AT FACP AND REMOTE ANNUNCIATOR			X	X		
ANNUNCIATE TROUBLE AT FACP AND REMOTE ANNUNCIATOR	WIRING FAULT	WIRING FAULT	X	X	X	[1]
ACTIVATE AUDIBLE/VISUAL SIGNAL THROUGHOUT SCHOOL (ALARM)	X	X				
CONTACT CENTRAL STATION (UDACT)	X	X	X	X	X	

NOTES:
[1] INDICATE TROUBLE ON WIRING FAULT OR DEVICE AS REQUIRED.

NOTIFICATION APPLIANCE CIRCUIT WIRING



STROBE CIRCUIT



SPEAKER/STROBE CIRCUIT

SYSTEM CALCULATIONS

REMOTE POWER SUPPLY BATTERY CALCULATIONS "RPS1"

QTY	DEVICE	STAND BY CURRENT	ALARM CURRENT
1	SS	0.164	0.184
1	NAC 1 CKT. AV1	0.000	0.440
	TOTAL CURRENT DRAW	0.164	0.624

TOTAL STAND-BY CURRENT X 24 HOURS	=	0.164	X 24	=	3.936	A-HR
TOTAL ALARM CURRENT X 15 MINUTES	=	0.62	X 0.250	=	0.156	A-HR
TOTAL MINIMUM AMP HOURS OF BATTERIES				=	4.092	A-HR
ADDITIONAL 30% DERATING SAFETY FACTOR				=	5.320	A-HR

NOTES:
1. BATTERY CALCULATION SHALL BE BASED ON 24 HOURS OF STAND BY AND 15 MINUTES OF ALARM CURRENT
2. PROVIDE MINIMUM OF 8 A-HOURS ADDITIONAL STANDBY BATTERY POWER.

EXISTING FIRE ALARM BATTERY CALCULATIONS

ADDITIONAL LOAD TO EXISTING FIRE ALARM PANEL "EFACP"

QTY	DEVICE	STAND BY CURRENT	ALARM CURRENT
1	EXISTING FIRE ALARM PANEL LOAD	1.501	4.526
4	NEW SMOKE DETECTOR	0.001	0.026
4	NEW HEAT DETECTOR	0.001	0.026
	TOTAL CURRENT DRAW	1.503	4.578

TOTAL STAND-BY CURRENT X 24 HOURS	=	1.503	X 24	=	36.082	A-HR
TOTAL ALARM CURRENT X 15 MINUTES	=	4.58	X 0.250	=	1.145	A-HR
TOTAL ADDITIONAL MINIMUM AMP HOURS OF BATTERIES				=	37.226	A-HR
25% ADDITIONAL LOAD TO MINIMUM AMP HOURS OF BATTERIES				=	46.533	A-HR

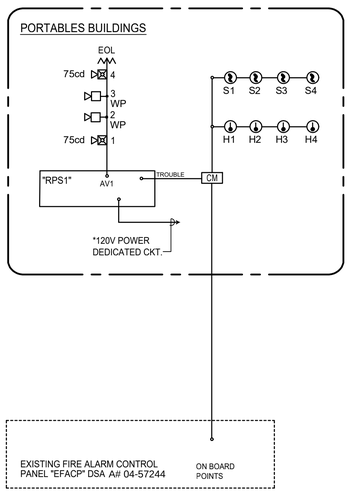
NOTES:
1. BATTERY CALCULATION SHALL BE BASED ON 24 HOURS OF STAND BY AND 15 MINUTES OF ALARM CURRENT
2. EXISTING BATTERY BACKUP INSTALLED 55 AH.
3. PROVIDE ADDITIONAL FIRE ALARM BATTERY TERMINAL CABNET.

DEVICE	DEVICE CURRENT (AMPS)	CIRCUIT AV1 QTY	FROM RPS1 CURR.	QTY TOTAL
Audible-Strobes				
75cd	0.151	2	0.302	2
WP Horn	0.069	2	0.138	2

		CURR.
TOTAL CURRENT ON CIRCUIT	0.440	AMPS
(MAXIMUM) WIRE LENGTH	200	FT.
% VOLTAGE DROP	1.32	%
WIRE SIZE # AWG	12	6530
CIRCUIT LOCATION		

CIRC. MILS		DISTANCE X TOTAL CURR. X 21.6
18 AWG = 1620	VOLTAGE DROP =	----------
16 AWG = 2580		CIRCULAR MILS
14 AWG = 4110		
12 AWG = 6530		VOLTAGE DROP X 100
	% VOLTAGE DROP =	----------
		70.7 (SPK) 24V (STROBE)

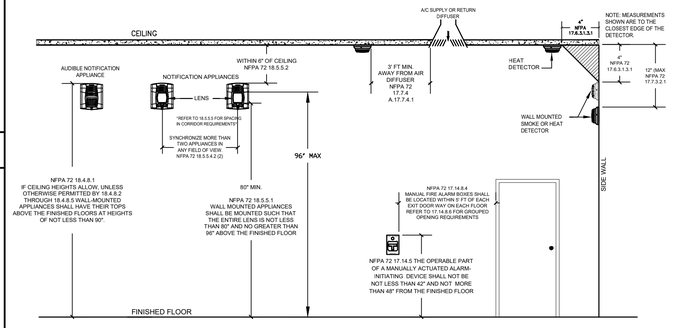
FIRE ALARM RISER DIAGRAM



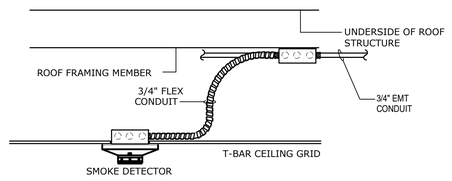
FIRE ALARM EQUIPMENT SCHEDULE

ITEM DESCRIPTION	SYMBOL	MOUNTING REQ'	MODEL NO#	CSFM LISTING#	NOTES
EXISTING FIRE ALARM CONTROL PANEL		EXISTING	GAMEWELL FCI S3 SERIES		
NEW FIRE ALARM EXPANDER PANEL "RSP-1"		+66" A.F.F. TO TOP OF BACKBOX	GAMEWELL/FCI HPF24S8	7315-1637:0102	
PHOTO SMOKE DETECTOR WITH 4 WIRE ADDRESSABLE DETECTOR BASE MOUNTED ON OUTLET BOX		CEILING	GAMEWELL/FCI ASD-PL3	7272-1703:0501	
PHOTO SMOKE WITH 135°F HEAT SENSOR WITH 4 WIRE ADDRESSABLE DETECTOR BASE MOUNTED ON OUTLET BOX		ATTIC SPACE	GAMEWELL/FCI ATD-HL2F	7270-1703:0115	
WEATHERPROOF HORN DEVICE ON FLUSH WALL MOUNTED OUTLET BOX	WP	+90" A.F.F TO TOP OF BOX	SYSTEM SENSOR HRK	7135-1653:0189	
HORNSTROBE DEVICE ON FLUSH MOUNTED OUTLET BOX (#CD DENOTES CANDELA RATING)	#cd	CEILING MOUNTED	SYSTEM SENSOR PC2RL	7135-1653:0503	
ADDRESSABLE CONTROL MODULE	CM	FIELD VERIFY LOC.	GAMEWELL/FCI AOM-2SF	7300-1703:0102	

FIRE ALARM DEVICE MOUNTING ELEVATIONS



DETECTOR DETAIL



FIRE ALARM SYSTEM NOTES

FIRE ALARM COMPLETE PLAN SUBMITTAL

1.0 PROJECT INFORMATION

A. OCCUPANCY GROUP
REFER TO ARCHITECTURAL DRAWINGS.

B. CONSTRUCTION TYPE
REFER TO ARCHITECTURAL DRAWINGS.

FIRE ALARM NOTE:
FIRE ALARM SUBMITTAL IS A COMPLETE PLAN SUBMITTAL IN ACCORDANCE WITH CFC-901.1 AND 907.1.1.

C. PENETRATIONS OF FIRE RATED WALLS SHALL BE PROTECTED IN ACCORDANCE WITH CALIFORNIA BUILDING CODE, PART 2, CHAPTER 7, TITLE 24. REFER TO THE ARCHITECTURAL PLANS FOR FIRE-RATE CORRIDOR(S), OCCUPANCY SEPARATION(S) AND AREA SEPARATION WALL(S).

D. UPON COMPLETION OF SYSTEM INSTALLATION, THE SYSTEM SHALL BE TESTED IN THE PRESENCE OF AND IN A MANNER ACCEPTABLE TO THE ENFORCING AGENCY.

E. PROVIDE A STATEMENT OF COMPLIANCE WHEN REQUESTING INSPECTION CFC 901.2.1

F. THE FIRE ALARM SYSTEM DESIGN FOR THIS PROJECT IS ADDRESSABLE AND FULLY AUTOMATIC MASS NOTIFICATION SYSTEM.

2.0 APPLICABLE CODES AND STANDARDS

A. PARTIAL LIST OF APPLICABLE CODES AS OF JANUARY 1, 2020*

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

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

B. PARTIAL LIST OF APPLICABLE STANDARDS

NFPA 72	NATIONAL FIRE ALARM AND SIGNALING CODE (CA AMENDED)	2022 EDITION
UL 268	SMOKE DETECTOR FOR FIRE PROTECTIVE SIGNALING SYSTEMS	2009 EDITION

3.0 UPON RECEIPT OF THE CERTIFICATE OF COMPLIANCE, THE INSTALLER SHALL SUPPLY THE OWNER WITH A WRITTEN OPERATING, TESTING AND MAINTENANCE INSTRUCTIONS, POINT-TO-POINT AS -BUILT DRAWINGS AND EQUIPMENT SPECIFICATIONS.

4.0 NFPA 72 CHAPTER 10,14 INSPECTION TESTING AND MAINTENANCE COMPLETE THE INSPECTION AND TESTING FORM IN ITS ENTIRETY SUBMIT A COPY TO THE DISTRICT, ARCHITECT AND DSA DIVISION OF FIRE AND LIFE SAFETY.

5.0 OCCUPANCY PROHIBITED TO ANY PORTION OF BUILDING UNTIL FIRE ALARM SYSTEM HAS BEEN TESTED AND APPROVED. CBC 901.5; CFC 901.5.1 RECORD DRAWINGS OF ALL INSPECTION, TEST SHALL BE MAINTAINED ON PREMISES MINIMUM THREE YEARS. CFC 901.6.2 (5 YEARS PER TITLE 14) SMOKE DETECTORS TO UTILIZE CALIBRATED MANUFACTURE SENSITIVITY TEST INSTRUMENT. CFC 907.9.4

6.0 CONTRACTOR TO FIELD VERIFY AND PROVIDE DECIBEL METER FOR TESTING OF AMBIENT NOISE LEVELS (MINIMUM 15db ABOVE AMBIENT NOISE LEVELS REQUIRED - SEE NPFA 72 TABLE 14.4.3.2). INSTALL ADDITIONAL AUDIBLE DEVICE AS NEEDED TO ATTAIN REQUIRED NOISE LEVELS AND INTELLIGIBILITY IN ALL REQUIRED AREAS. PROVIDE UPDATED PLANS AND CALCULATIONS THROUGH THE "DSA CONSTRUCTION CHANGE DOCUMENT" PROCESS WHEN INSTALLING ADDITIONAL DEVICES AND OR EQUIPMENT. PROJECT INSPECTOR (PI) TO WITNESS FINAL TEST OF THE SYSTEM. CONTRACTOR(S) TO PROVIDE FINAL TEST RESULTS AND PROVIDE THE "RECORD OF COMPLETION FORM" TO THE ARCHITECT OF RECORD, OWNER, DIVISION OF THE STATE ARCHITECT, PROJECT INSPECTOR (PI) AND LOCAL FIRE AUTHORITY (AHJ).

6.1 FIRE ALARM NOTIFICATION DEVICES WITHIN THE NOTIFICATION ZONE WILL BE SYNCHRONIZED IN ACCORDANCE WITH NFPA 72 18.5.5.7.2

6.2 CONTRACTOR SHALL PROVIDE 24 HOUR FIRE WATCH IN CASE EXISTING CAMPUS FIRE ALARM SYSTEM IS SHUTDOWN OR DURING THE DURATION OF THE CONSTRUCTION PHASE.(IF APPLICABLE TO THE PROJECT). REFER TO DSA DOCUMENT IR F-2 FOR MORE INFORMATION AND REQUIREMENTS.

6.3 EXISTING FIRE ALARM SYSTEM SHALL REMAIN OPERATIONAL DURING THE BUILDING MODERNIZATION CONSTRUCTION UNTIL THE NEW FIRE ALARM SYSTEM IS INSTALLED AND FULLY OPERABLE. UPON COMPLETE FINAL TEST AND APPROVAL OF THE NEW SYSTEM, EXISTING SYSTEM AND ITS DEVICES SHALL BE DISCONNECTED AND REMOVED AS REQUIRED.(IF APPLICABLE TO THE PROJECT).

6.4 TESTING OF THE FIRE ALARM SYSTEM SHALL INCLUDE BUT NOT LIMITED THE FOLLOWING:

A) AUDIBLE DEVICES SHALL PROVIDE A SOUND PRESSURE LEVEL OF 15 DECIBLES (dBA) ABOVE THE AVERAGE AMBIENT SOUND LEVEL OR 5 Dba ABOVE THE MAXIMUM SOUND LEVEL HAVING A DURATION OF AT LEAST 60 SECONDS, WHICHEVER IS GREATER, IN EVERY OCCUPIED SPACE WITHIN THE BUILDING.

B) VISUAL DEVICES SHOULD NOT EXCEED TWO FLASHES PER SECOND AND SHOULD NOT BE SLOWER THAN ONE FLASH EVERY SECOND. THE DEVICE SHALL HAVE A PULSING LIGHT SOURCE NOT LESS THAN 15 CANDELLA. VISUAL DEVICES WITHING 55' FROM EACH OTHER SHALL BE SYNCHRONIZED.

C) SUPERVISORY MONITORING SHALL BE TESTED AND VERIFIED AS SENDING CORRECT SIGNALS IN CONJUNCTION WITH FINAL ACCEPTANCE TEST.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

Issue Date:
DSA

Revisions:
1
2
3

Consultant Stamp:

REGISTERED PROFESSIONAL ENGINEER
STEPHEN R. ZANCA
No. E 10372
Exp. 09-30-24
ELECTRICAL
STATE OF CALIFORNIA

Consultant:

FBA Engineering
Consulting Electrical Engineers
330 Palatino Avenue, Suite A100
Costa Mesa, CA 92626
949.650.4545 FAX 949.650.1857 (fax)
fbaengr.com
FBA Job Number: 229.177

VSVES06 40x48 RELO CR

VALLECITOS ELEMENTARY
PORTABLE BUILDING
for
VALLECITOS UNIFIED SCHOOL DISTRICT
FALLBROOK CALIFORNIA

Job Nº.: VSVES06

LICENSED ARCHITECT
JEFFREY HERMANSON
Exp. 02-28-25
STATE OF CALIFORNIA

MGPA ARCHITECTURE
An Architectural Corporation
Mailing: 6965 El Camino Real, Suites 105-278
Carlsbad, CA 92009
Tele: (760) 929-1500 Fax: (760) 929-1506

MGPA ARCHITECTURE

Sheet Title:
FIRE ALARM SYMBOLS, NOTES, RISER DIAGRAM LINE DIAGRAM

Sheet Number:
E-0.3

FBA Engineering / Plot Date: 4/26/2024 8:40 AM / Plotted by: William Ramirez / Drawing Location: I:\229\177\E-0.3_229177.dwg

ELECTRICAL SPECIFICATIONS:

PART 1.00 GENERAL

1.01 RELATED DOCUMENTS

A. The requirements of the General Conditions, Supplementary General Conditions and pertinent provisions of sections in Division One of these specifications apply to the work specified in this section.

1.02 SCOPE

A. Work Included: All labor, materials, appliance, tools, equipment, facilities, transportation and service necessary for, and incidental to, performing all operations in connection with furnishing, delivery and installation of the work of this Section, complete, as shown on the drawings and/or specified herein.

1.03 GENERAL SUMMARY OF ELECTRICAL WORK

A. The specifications and drawings are intended to cover a complete installation of systems. The omission of expressed reference to any item of labor or materials for the proper execution of the work in accordance with present practice of the trade shall not relieve the Contractor from providing such additional labor and materials.

B. Refer to the drawings and shop drawings of other trades for additional details which affect the proper installation of this work.

C. The Electrical Drawings are diagrammatic in many respects. It is not within the scope of these drawings to show all necessary bends, offsets, or pullboxes required. Sizes and locations of equipment and wiring may be distorted for clarity on the drawings. Exact locations of all lighting fixtures, outlets, exit signs, wiring devices, and the like, shall be shown on Architectural Drawings, as dimensioned on plans, or as approved by Architect.

D. Before submitting a bid, the Contractor shall familiarize himself with all features of the existing building, and all building drawings and site drawings which may affect the execution of the work. No extra payment will be allowed for failure to obtain this information.

E. This project is a partial remodel of an existing building. Refer to the Architectural Drawings for notes and other electrical requirements not shown on the Electrical Drawings and to determine existing construction to remain as well as new construction. If there are omissions or conflicts between the Electrical Documents and the documents of other trades or between the Electrical Drawings and Specifications, clarify these points with the Architect before submitting a bid. No extra payment will be allowed for failure to obtain this information.

F. Provide all line voltage electrical work, materials and control equipment required for proper operation of the air conditioning, heating, ventilating and plumbing equipment, as specified by the respective trade. This work may or may not be included on the Electrical Drawings.

1.04 LOCATIONS OF EQUIPMENT

A. The drawings indicate diagrammatically the desired locations of arrangements of conduit runs, outlets, equipment, etc., and are to be followed as closely as possible. Proper judgment must be exercised in executing the work so as to secure the best possible installation in the available space and to overcome local difficulties due to space limitations or interference of structural conditions encountered.

B. In the event changes in the indicated locations or arrangements are necessary, due to developed conditions in the building construction or rearrangement of equipment, such changes shall be made without cost providing the change is ordered before the conduit runs, etc., and work directly connected to same is installed and no extra materials are required.

C. The drawings indicate approximate locations of existing conduits. The exact routing shall be verified in field and length of conductors shall be adjusted to the length required.

D. Coordinate and cooperate in every way with other trades in order to avoid interference and assure a satisfactory job.

1.05 QUALITY ASSURANCE, STANDARDS AND SYMBOLS

A. Work and materials in full accordance with the latest rules and regulations of the California Code of Regulations, Title 24,Title "8 Division of Industrial Safety", California Electrical Code, the National Life Safety Code, pertinent N.F.P.A. Publications and other federal state or other city agencies having jurisdiction.

B. Keep a copy of all applicable codes available at the job site at all times while performing work under this section. Nothing in plans or specifications shall be construed to permit work not conforming to the most stringent of codes.

C. Should any changes be necessary in the drawings or specifications to make the work comply with these requirements, the Contractor shall notify the Architect at once in writing and cease work in parts of the contract which are affected.

1.06 SUBMITTALS

A. Material Lists and Shop Drawings

1. Submit 6 copies of materials list and shop drawings for approval. The materials list of installation materials shall indicate proposed equipment manufacturers. Submittals shall be organized in completed bound groups for materials (i.e., all lighting fixtures or all switchgear, etc.). Departure from the above procedure will result in resubmittals and delays. The Contractor shall verify dimensions of equipment and be satisfied as to fit and that they comply with all code requirements relating to clear working space about electrical equipment prior to submitting shop drawings for approval. Where current limiting fuse devices are specified, submit technical data to indicate fuses adequately protect equipment and that the fuses are selective to the circuit breakers that it protects.

2. Submit shop drawings for all electrical items except installation materials such as conduit, conduit fittings, outlet boxes, 600-volt conductors, wiring devices, etc.

3. Submittals which are intended to be reviewed as a substitution or departure from the contract documents must be specifically noted as such or the requirements of the contract documents will prevail, regardless of the acceptance of the submittal.

4. Shop drawings shall include dimensioned plans, elevations, details, wiring diagrams and descriptive literature of component parts where applicable. Structural calculations and mounting details, signed by a structural engineer registered by the State of California, shall be submitted for all equipment weighing over four hundred pounds, and shall be in compliance with Title 21 of the California Administrative Code.

5. Shop drawings shall include the manufacturer's projected days for shipment from the factory of completed equipment, after the equipment is released for production by the Contractor. It shall be the responsibility of the Contractor to ensure that all material and equipment is ordered in time to provide an orderly progression of the work. The Contractor shall notify the Architect of any changes in delivery which would affect the project completion date.

B. Maintenance and Operation Manuals

1. Contractor shall furnish three copies of typewritten maintenance and operating manuals for all electrical equipment to the Owner and instruct Owner's personnel in correct operation of all equipment at completion of project.

2. Maintenance and operating manuals shall be bound in three-ring, hard-cover, plastic binders and shall be delivered to the Owner with letter of transmittal, carbon copy to the Architect.

C. Portable or Detachable Parts: The contractor shall retain in his possession and be responsible for all portable and detachable parts or portions of the installation such as fuses, keys, locks adapters, locking clips, and inserts until final completion of his work. These parts shall then be delivered to the Owner or his authorized representative and an itemized receipt obtained, with copies of receipt sent to the Architect.

1.07 RECORD DRAWINGS

A. Provide and maintain in good order a complete set of electrical contract prints. Changes to the contract to be clearly recorded on this set of prints. At the end of the project, the Contractor shall transfer all changes to one set reproducible drawings to be delivered unfolded to the Architect.

B. The Contractor shall keep the "as-built" prints up to date current with all work performed.

1.08 CLEANING EQUIPMENT, MATERIALS, PREMISES

A. All parts of the equipment shall be thoroughly cleaned of dirt, rust, cement, plaster, etc., and all cracks and corners scraped out clean. Surfaces to be painted shall be carefully cleaned of grease and oil spots and left smooth, clean and in proper condition to receive paint finish.

1.09 JOB CONDITIONS - PROTECTION

A. Protect all work, materials and equipment from damage from any cause whatever and provide adequate and proper storage facilities during the progress of the work. Provide for the safety and good condition of all the work until final acceptance of the work by the Owner and replace all damaged or defective work, materials and equipment before requesting final acceptance.

B. Provide UL listed fire stop for all penetration through fire rated floor, wall, ceiling and roof assemblies to maintain all fire ratings. The fire stop materials shall be re-enterable and reusable, as manufactured by Nelson, type "FSP", or equal by 3M Company.

1.10 CUTTING AND PATCHING

A. Perform cutting and patching on the construction work which may be required for the proper installation of the electrical work. Patching shall be of the same material, workmanship and finish as specified and accurately match surrounding work to satisfaction of the Architect.

1.11 IDENTIFICATION

A. Panelboards, terminal cabinets, circuit breakers, disconnect switches, starters, relays, time switches, contactors, pushbutton control stations, and other apparatus used for operation of controls of feeders, circuits, appliances, or equipment shall be properly identified by means of descriptive nameplates or tags permanently attached to the apparatus and wiring.

B. Nameplates shall be engraved laminated phenolic. Shop drawings with dimensions and format shall be submitted to the Architect before installation. Attachment to equipment shall be with escutcheon pins, rivets, self-tapping screws or machine screws. Self-adhering or adhesive backed nameplates shall not be used.

C. Provide black-on-white laminated plastic nameplate engraved in minimum 1/4" high letters to correspond with the designations on the drawings. Provide other additional information on nameplates where indicated.

D. For equipment containing or operating on circuits of more than 240 volts nominal, provide red-on-white laminated warning signs engraved in 1/2" high letters to read "CAUTION - 480 (or as applicable) VOLTS".

E. Tags shall be attached to feeder wiring in conduits at every point where runs are broken or terminated and shall include pull wires in empty conduits. Circuit, phase, and function shall be indicated. Branch circuit shall be tagged on panelboards. Tags may be made of pressure sensitive plastic or embossed, self-attached, stainless steel or brass ribbon.

F. Cardholders and cards shall be provided for circuit identification in panelboards. Cardholders shall consist of a metal frame retaining a clear plastic cover permanently attached to the inside of panel door. List of circuits shall be typewritten on card. Circuit description shall include name or number of circuit, area, and connected load.

G. Junction and pullboxes shall have covers stenciled with box number when shown on the drawings, or circuit numbers according to panel schedule. Data shall be lettered in an inconspicuous manner with a color contrasting to finish.

1.12 ELECTRICAL WORK CLOSEOUT

A. Prepare the following items and submit to the Architect before final acceptance.

1. Two copies of all test results as required under this section.

2. Two copies of local and/or state code enforcing authorities final inspection certificates.

3. Copies of as-built record drawings as required under the General Conditions, pertinent Division One Section and Electrical General Provisions.

4. Two copies of all receipts transferring portable or detachable parts to the Owner when requested.

5. Notify the Architect in writing when installation is complete and that a final inspection of this work can be performed. In the event defects or deficiencies are found during this final inspection, they shall be corrected to the satisfaction of the Architect before final acceptance can be issued.

6. Three copies of operating and maintenance instruction books covering all electrical equipment and systems.

1.13 EQUIPMENT SEISMIC REQUIREMENTS

A. Equipment supports and anchorage's provided as part of the contract shall be designed, constructed and installed in accordance with the earthquake regulations of the California Building Code, Title 24, Section 1632A.

B. For equipment weighing over four hundred pounds provide equipment anchorage details, coordinated with the equipment mounting provision, prepared, signed and "stamped" with PE registration by a civil or structural engineer licensed as a Professional Engineer (PE) in the State of California.

C. Mounting recommendations shall be provided by the manufacturer based upon approved shake table tests used to verify the seismic design of that type of equipment.

D. The seismic requirements are typical for each equipment item exceeding 100 pounds.

PART 2 - PRODUCTS

2.01 CONDUIT

A. Rigid metal conduit: Steel, hot-dip galvanized, sherardized or zinc coated.

B. Intermediate Steel Conduit (IMC): Steel, hot-dip galvanized, sherardized or zinc coated. Couplings and connectors shall be threaded and rated "liquid tight".

C. Electrical metallic tubing: Steel, galvanized or sherardized. Couplings and connectors, seamless steel construction and of the set screw or watertight compression type equal to Thomas & Betts Co. #5123 or #5031 Series, complete with insulated throats.

D. Flexible Conduit: Steel, galvanized. Connector shall be equal to Thomas & Betts Co. #3312 and/or #3332 Series, complete with insulated throat.

E. Liquid-tight flexible conduit: Sealtite Type U.A. with Appleton Series "ST" connectors.

F. Rigid Non Metallic Conduit (RNMC):

1. Polyvinyl Chloride (PVC)-RNMC

a. PVC-schedule 40 heavy wall construction.

b. PVC-schedule 80 extra heavy wall construction.

c. PVC-type EB.

2. RNMC fittings connecting to metallic raceways shall be provided with a ground/bond jumper connection.

2.02 WIRE AND CABLE

A. Copper conductors: #12 AWG minimum unless specifically noted otherwise on the drawings. Conductors #10 AWG and smaller shall be solid and #8 AWG and larger shall be stranded. Type of wire as noted on drawings or as follows:

1. Type THWN/THHN insulation used for all conductors unless otherwise noted.

2. Type THHN insulation used for circuit conductors installed in fluorescent lighting fixture raceways, for conductors connected to the secondary of fluorescent or mercury vapor fixture ballast or other hot locations.

3. Type XHHW or THWN insulation shall be used where conductors are installed in conduit exposed to the weather.

4. The following color code for 120/208 volt branch circuits: Neutral - White (Tape feeder neutrals with white tape near connections); Ground - Green; Isolated Ground - Green with yellow stripe; Phase A - Black; Phase B - Red; Phase C - Blue.

5. The following color code for 277/480 volt branch circuits: Neutral - Grey - Tape feeder neutrals with Grey tape near connections); Ground - Green; Phase A - Brown; Phase B - Orange; Phase C - Yellow.

6. When individual neutral conductors are required for each branch circuit, the color code for the neutral conductors shall be as follows: Phase A - White with Black stripe; Phase B - White with Red Stripe; Phase C - White with Blue stripe. All common neutral conductors, when required, shall be White without any stripes.

7. Feeders identified as to phase or leg in each panelboard with printed identifying tape.

8. Color coding for mechanical and plumbing control wiring shall be an agreed upon color code between the Mechanical/Plumbing Contractor

b. PVC-schedule 80 extra heavy wall construction.

2. RNMC fittings connecting to metallic raceways shall

2.03 OUTLET BOXES

A. Outlet boxes and covers to be pressed steel, knockout type or cast iron with drilled, tapped and plugged holes, hot-dipped galvanized or sherardized. Boxes of proper code size for the number of wires or conduits passing through or terminating therein, but in no case shall box be less than 4" square, unless specifically noted as smaller on the drawings or boxes at end of a run and containing a single device may be of the "Handy Box" type. Covers for flush outlets finish flush with plaster or other finished surface.

B. All boxes for data, telephone and combination outlets shall be 4-11/16" square by 2-1/2" deep minimum, with extension ring as required to accommodate the outlet assembly to be installed.

2.04 SWITCHES

A. Switches shall be totally enclosed, specification grade, toggle switch type, color white with 277 volt A.C. rating for full capacity of contacts with incandescent or fluorescent lamp loads. Switch ratings shall be 20 ampere only. Hubbell #CS1221 or equal by P & S or Leviton. Color as selected by Architect.

B. Where switches are mounted in multiple gang assembly and are operating at 277 volts and/or 277 volts and 120 volts mounted in same outlet boxes, there shall be a barrier installed between each switch.

C. Color of switches shall be as selected by Architect.

2.05 RECEPTACLES

A. All receptacles in flush type outlet boxes shall be installed with a bonding jumper for ground between the grounded outlet box and the receptacle ground terminal. Grounding through the receptacle mounting straps is not acceptable. The bonding jumper shall be sized in accordance with the branch circuit protective device as tabulated herein under "grounding". Bonding jumper shall be attached at each outlet to the back of the box using drilled and tapped holes and washer head screws 6-32 or larger. For receptacles in surface mounted outlet boxes direct metal-to-metal contact between receptacle mounting strap (if it is connect to the ground contacts) and outlet boxes may be used.

B. Duplex convenience receptacles shall be specification grade, color white, 120 volt, 15 ampere, NEMA 5-15R grounding type with grounding contact which is internally connected to the frame. Outlet shall accommodate standard parallel blade cap and shall be back and side wired. Hubbell #CR5252 or equal by P & S or Leviton.

C. Where duplex receptacle is supplied by separate 20-ampere, circuit, receptacle shall be NEMA 5-20R. Hubbell #CR5352 or equal by P & S or Leviton.

D. Ground fault type duplex receptacle shall be 15 ampere outlet with 20 ampere feed through, NEMA 5-15R. Hubbell #GFR5252 or equal by P & S or Leviton.

E. Isolated Ground receptacles shall be identified with an orange triangle on an orange receptacle body. Hubbell #CR5252IG or equal by P&S or Leviton.

F. Weatherproof receptacle: Ground fault type duplex receptacle. On exposed conduit runs, weatherproof ground fault type receptacles as hereinbefore specified, installed in "FS" conduiet. Covers shall be one of the following door type covers: Hubbell #WP26M or equal by P&S.

G. Special outlets as indicated on drawings.

H. Color of receptacles shall be as selected by Architect.

2.06 PLATES

A. Provide plates for every switch, receptacle, telephone outlet, data outlet. All plates shall be thermoplastic or nylon on all outlets, unless specifically noted otherwise. Color as selected by Architect.

2.07 CIRCUIT BREAKER

A. Where two or three pole breakers occur in the panels, they shall be common trip units. Single pole breakers with tie-bar between handles will not be accepted.

B. Circuit breakers shall be arranged in the panels so that the breakers on the proper trip settings and numbers correspond to the numbering in the panel schedules on the drawings. Circuit numbers of breakers shall be black-on-white micarta tabs or other previously approved method. Circuit number tabs which can readily be changed from front of panel will not be accepted. Circuit number tabs which can shall not be attached to or be a part of the breaker.

C. Circuit breakers shall be bolt on type.

2.08 DISCONNECTS

A. Disconnect switches shall be 250 volt or 600 volt A.C., NEMA Type HD, quick-made, quick-break, h.p. rated, fusible or non-fusible Class "R", in NEMA Type I enclosure, lockable, with number of poles and amperage as indicated on the drawings. Where enclosure is indicated W.P. (weatherproof) switches shall be in rain-tight NEMA Type 3R enclosure, lockable. Maximum voltage, current and horsepower rating clearly marked on the switch enclosure and switches having dual element fuses shall have rating indicated on the metal plate. Manufactured by GE, Square-D or approved equal.

2.09 PANELBOARDS

A. Panelboards shall be flush or surface mounting as indicated with circuit breakers as shown on panel schedule, hinged lockable doors, index card holders and proper bussing.

B. Where indicated on the drawings, panelboards shall be furnished with subfeed breakers and/or lugs, split bussing, contactors, time switches, relays, etc., as required.

C. All panelboards shall be keyed alike.

D. All panelboards shall be finished with one coat of zinc chromate and coat of primer sealer after a thorough cleaning and where exposed to public view (e.g., corridors, covered passages, offices, etc.) and gray in switchboard, janitor's heater and storage rooms. Prime coated panelboard shall be painted to match surroundings after installation. Panelboards shall be fabricated of sheet steel of the following minimum gauges; Door and trim #12; enclosure - code

E. Furnish all panelboards and terminal cabinets with manufacturer flush locks and keys except where indicated otherwise herein. Fasten the trim to panelboards and terminal cabinets by means of concealed, bolted or screwed fasteners accessible only when the door is open.

F. Panelboard 208/120 volt, three phase, 4 wire, S/N or 120/240 volt, single phase, 3 wire, S/N.

Panelboard types as manufactured by:

1. Cutler-Hammer.....Type Pow-R-Line 1
2. General Electric.....Type AQ
3. Square D.....Type NQD
4. Siemens.....Type S series

G. Panelboards for 480/277 volt, three phase, 4 wire, S/N.

Panelboard types as manufactured by:

1. Cutler Hammer.....Type Pow-R-Line 1
2. General Electric.....Type "A" Series
3. Square D.....Type NEHB

H. Panelboards shown on the drawings with relays, time clocks or other control devices shall have a separate metal barriered compartment mounted above panel with separate hinged locking door to match panelboard. Provide mounting subbase in cabinet for control devices and wiring terminal strips.

I. Panelboard shall have a circuit index card holder removable type, with clear plastic cover. Index card shall have numbers imprinted to match circuit breaker numbers.

J. Bussing shall be rectangular cross section copper, or silver or tin-plated aluminum. Bussing shall be full length of the enclosure.

K. Panelboards indicated to be suitable for non-linear loads shall be U.L. listed for connection to non-linear loads. Neutral bus shall be rated to carry 200% of the phase bus current rating.

L. Isolated ground bus panelboards supplying circuits with isolated ground receptacles or panelboards indicated to contain isolated grounds on the drawings shall be supplied with an additional ground bus electrically isolated from the panelboard interior, the raceway ground and the non-isolated ground equipment ground bus.

PART 3 - EXECUTION

3.01 GROUNDING

A. All grounding shall be in accordance with cec article 250.

B. Grounding shall be executed in accordance with all applicable codes and regulations and local authorities having jurisdiction.

C. Provide ground conductor in all branch circuit conduits serving receptacle loads.

D. Ground conductors for branch circuit wiring shall be attached at each outlet to the back of the box using drilled and tapped holes and washer head screws, 6-32 or larger.

E. Each panelboard, switchboard, pullbox or any other enclosure in which several ground wires are terminated shall be equipped with a ground bus secured to the interior of the enclosure. The bus shall have a separate lug for each ground conductor. No more than one conductor shall be installed per lug.

3.02 CONDUIT

A. The sizes of the conduits for the various circuits as indicated on the drawings and as required by code for the size and number of conductors to be pulled therein. Open ends capped with approved manufactured conduit unions used. No bends or offsets will be permitted unless absolutely necessary. Conduits to be concealed except as noted otherwise.

B. Rigid steel conduit or intermediate metal conduit shall be used where placed underground in concrete, in brick or masonry walls or exposed on roofs. Rigid steel conduit shall not be installed in direct contact with the earth or sand. Conduits installed in a wet, or exposed location in concrete have threads filled with red lead. For short runs of conduits installed in the ground and with Architect's approval, conduits may be "hall" lapped with polyvinyl chloride tape equal to Scotch Wrap. Joints to be "double" wrapped. Tape shall be 10 mil. thick.

C. Electrical metallic tubing up to and including 4 inch may be installed as permitted by codes reference within specification.

D. Flexible conduit may be installed as permitted by codes referenced within specifications. Sealtite, flexible conduit used for final connections to motors and in wet, damp or outdoor areas where drawings indicate the use of flexible conduit.

E. Conduits throughout the work shall be securely and rigidly supported. Supports placed not more than 10' apart and with a support provided not more than 3' from any outlet or bend.

F. RNMC Installation Locations

RNMC conduit and RNMC fittings shall be installed in the following locations containing only "non-hazardous material":

1. Underground, concealed below earth grade, unless specifically noted or specified otherwise.

2. Exposed on utility service poles, for pole risers at 9 feet or higher above finish grade, schedule 80 PVC only.

3. RNMC type "EB" conduit(s) shall be concrete encased along the entire length of the conduits for all installation locations.

G. Conduit over metal channel, lath and plaster ceilings securely tied to the furring channels with #16 gauge galvanized wire ties space not over 4' apart.

H. Conduit placed against concrete above ground fastened to the concrete with pipe straps or one-screw conduit clamps attached to the concrete by means of expansion screw anchors and screws.

I. Conduits which are installed at this time and left empty for future shall have polyvinyl rope left in place for future use.

J. Conduit stub ups shall be provided with insulated throat bushings

K. Conduit exposed shall be run at right angles or parallel to the walls or structures. All changes in direction, either horizontally or vertically shall be made with conduit outlet bodies as manufactured by Crouse Hinde or equal. Conduits run on exposed beams or trellis work shall be painted to match surrounding surfaces. Conduits run exposed on roofs shall be rigid steel or intermediate metal conduit and shall be installed on 4 x 4 redwood sleepers, maximum 5 foot on centers. Sleepers shall be set on non-hardening mastic.

L. Re-route conduit where necessary to clear structural and mechanical obstructions.

M. Provide expansion and deflection fittings, with bonding jumper at all building expansion or seismic joint crossings.

3.03 OUTLET JUNCTION BOXES

A. Flush mounted boxes shall be attached to two studs or structural members by means of metal supports.

B. Boxes located above suspended ceiling shall be attached to structural members. Where boxes are suspended, they shall be supported independently of the conduit system by means of hanger rods and/or preformed steel channels. Boxes shall be supported independent of all piping, duct work, equipment ceiling hanger wires and suspended ceiling grid systems.

C. Boxes installed in common party separation walls, in corridor walls and service walls shall be acoustically sealed on the exterior back and sides of the box, including wall openings around the box, with a 1/8" minimum thickness resilient sound absorbing sealant, as manufactured by Lowry and Assoc., Inc.

3.04 WIRE AND CABLE

A. Branch circuit and fixture joints for #10 AWG and smaller wire shall be made with UL-approved connectors listed for 600 volts, approved for use with copper and/or aluminum wire. Connector to consist of a cone-shaped, expandable coil spring placed opposite each other to serve as a built-in insert, insulated with a nylon shell and 2 wings wrench or shall be molded one-piece as manufactured by "Scotchlok".

B. Branch circuit joints #8 and larger screw pressure

lugs made of high strength structural aluminum alloy and UL-approved for use with both copper and/or aluminum wire as manufactured by Thomas & Betts.

C. Splices insulated with plastic splicing tape, half-lapped and at least the thickness of the wire insulation. Tape shall be fresh and quality equal to Scotch.

D. Correspond each circuit to the branch number indicated on the panel schedule shown on the drawings except where departures are approved by the Architect or the Owner's inspectors.

E. All wiring, including low voltage, shall be installed in conduit, unless otherwise noted. Conduit may be omitted for low voltage interconnect wiring between ceiling mounted occupancy sensors where plenum rated wiring is installed above accessible ceilings.

F. Control wiring to conform to the wiring diagrams shown on the mechanical drawings and the manufacturer's wiring diagrams. Control the equipment in the manner specified under the "Mechanical" section of the specifications. Control wire to be color-coded for each in making final connections. Tag all spare conductors.

G. Wiring within panel enclosures to be neatly grouped and laced with Thomas & Betts "Ty-rap" spaced 3" apart and fanned out to the terminals. Tag all spare conductors.

3.05 PANELBOARD MOUNTING

A. Flush mounted panelboards and terminal cabinets shall be securely fastened to at least two studs or structural members. Trim shall be flush with finished surface.

B. Surface mounted panelboards and terminal cabinets shall be secured to walls by means of preformed steel channels secured to at least two studs or structural members.

C. Panelboards shall be installed to insure the top circuit protective device (including top compartment control devices) are not more than 6'-6" above finish floor in front of the panel and the bottom device is a minimum of 12" above the floor. Manufacturer shall specifically indicate on shop drawing submittals each panel where these conditions can not be met.

3.06 PORTABLE ASSISTIVE LISTENING SYSTEM:

A. Regulatory Requirements

1. Assistive Listening Systems shall be provided in accordance with CBC Section 11B-219 and shall comply with CBC Section 11B-706
2. Per CBC Section 11B-219.3. The minimum number of receivers to be provided shall be equal to 4% of the total number of seats, but in no case less than two. 25% minimum of receivers provided, but no fewer than two, shall be hearing-aid compatible in accordance with CBC Section 11B-706.3.
3. If the system provided is limited to specific areas or seats, then such areas or seats shall be within a 50-foot viewing distance of, have a complete view of the stage or playing area CBC Section 11B-219.4.
4. Per April 2020 DSA Code Appeal Interpretation, school facilities may use the following alternate provisions; for each school, provide two Portable Assistive Listening Systems, each with a transmitter and a minimum of two receivers for use in classrooms without audio amplification. The assistive listening receivers and transmitters shall be stored in the school site administration office until requested.
In addition, provide an Assistive Listening System for assembly areas such as multipurpose rooms, cafeterias, lecture halls or other assembly areas. If the room has no fixed seating, calculate the number of seats using 7 SF per occupant. Provide 4% of assistive listening receivers for a total of seats in each assembly area, but no less than two. The assistive listening receivers should be stored in or near the assembly area.

B. The Assistive Listening System shall include the following items

1. Instructor (program source) wireless transmitter units.
2. Student (audience) portable wireless receiver units.
3. Plug-in microphones and earphones, for each unit.
4. Multiple program source inputs for, Instructor's microphone, respective room audio / video A/V system input/output and Instructor's computer audio input/output.
5. System accessories.

C. Function

1. The Assistive Listening System shall provide amplified available audio programs for hearing impaired students/audience, originating from classroom/stage/room instructors and audio/video instructional program source materials, and equipment in respective building spaces, rooms, classrooms, and outdoor areas.
2. The audible program shall be transmitted wireless from the program source to the student/audience, with reception coverage throughout not less than approximately 80% of the respective floor space/area space.
3. Shall provide automatic stereo or mono audio full system operation, depending on program source input.
4. The system in each space shall comply with Federal ADA, State and Local AHJ Requirements for the hearing impaired.

3.07 MATERIAL (INFRARED WIRELESS)

A. General

1. All equipment shall be the product of the same Manufacturer.
2. The receivers and transmitters shall be US Government FCC and Industry Canada-approved.
3. Provide power on-off control on each unit, to extend battery duration..
4. As manufactured by Williams Sound; or PhonicEar; or Listen Technologies; or Centrum Sound.

B. Master (Program Source) Transmitter (Infrared Emitter) Units

1. The infrared emitter/transmitter shall be compact, portable units, self-contained ABS/plastic housing/enclosure.
2. The emitter panel shall be a dual-channel system operating on both 2.3 and 2.8MHz invisible infrared light waves frequencies. The channels shall be designated CHANNEL A for the left and CHANNEL B for the right.
3. The emitter shall provide left and right AUDIO IN jacks to accept an input signal from a sound system, left and right SYNC IN/SYNC OUT jacks for master/slave daisy-chaining with other emitters if desired, and left and right MIC-IN jacks to accept an audio signal from a microphone or Audio/Video preamplifier.
4. The emitter shall provide separate LED input level detectors for each channel which illuminate when the audio signal peaks. Stereo and mono audio processing.
5. The emitter shall be mounted by the following methods:
   a. Portable mounted to a table-top-or floor-stand, using accessory support-stand adapter.
6. Each emitter shall provide an array of not less than 130 infrared LEDs covered by an infrared transparent acrylic lens. The infrared signal from each emitter shall cover not less than 3,000 square feet (32,000 cubic feet) enclosed space. Note: For room sizes smaller than 3,000-square feet, the infrared transmitter/emitter infrared output shall be reduced to accommodate the actual smaller room square feet size and height.
7. 120-volt 60Hz AC input to nominal 24-volt DC output (plug-in power-brick) power supply external transformer shall be UL approved, with cable plug-in connection to emitter/transmitter. Provide remote system master on-off control.

C. Student/Audience Receiver Units

1. Battery Power
   a. Power for each unit operation shall be supplied by internal, changeable rechargeable NiCad batteries and alternately by alkaline disposable batteries. Rechargeable batteries shall be recharged without removal from the unit. Each unit shall have a charging indicator light. The batteries shall be recharged from either a portable charger/organizer and with wall transformer/two-unit chargers. The units shall operate for up to 40-hours with alkaline batteries, and up to 15-hours with NiCad (NiMH) batteries.
   b. Provide power on-off control on each unit, to extend battery duration.
   c. A protection circuit shall prevent battery back-drain if the power to the charger is turned off while the unit is being recharged.
2. The receiver shall be a dual-channel unit for wearing around the neck with an adjustable strap. Stereo and mono audio reception and processing.
3. Compatible with the transmitter (emitter) and operate on 2.3 and 2.8MHz frequencies invisible infrared light waves. Self-contained and switchable from CHANNEL A to CHANNEL B through a switch located on the back of the unit.
4. The receiver shall provide an infrared light-gathering lens on the front of the unit to focus the light signal from the emitter onto the infrared detector element. The receiver shall detect and decode the infrared emitter/transmitter light source within a 160-degree acceptance angle.
5. Audio squelch circuit which turns the output circuit off when the infrared signal is reduced or not received, with on/off and volume control.
6. Output jack, which accepts any of the listening accessories. Headsets shall provide magnetic induction pick-up for hearing impaired, hearing aid interface operation.
7. Shall be compact easily portable units, self-contained ABS/plastic housing/ enclosure with red infrared receiver lens. Shall clip to pocket or belt.
8. The minimum number of receivers, straps and earphones to be provided shall be equal to 4% of the total number of seats, but in no case less than two. 25% minimum of receivers, straps and earphones provided, but no fewer than two, shall be hearing-aid compatible in accordance with CBC Section 11B-706.3.

D. Infrared System Accessories

1. Battery recharger portable charger/organizer pack. Locking, portable case with cover, shall accept a group of not less than twelve plug-in portable transmitters and receivers' units in each pack for simultaneous multi-unit battery recharging. Provide a quantity of one organizer for each quantity group of twelve (or fraction thereof) receivers provided as part of the contract.
2. Stereo audio headset style automatic noise canceling microphones, integral on-off-volume control and with behind the neck support style. Each with 25-feet long extension cables and outlet plug-jacks to match transmitter outlet jacks. Provide two cables for each emitter/transmitter.
3. Equipment wall mount support brackets.
4. Auxiliary audio program source 15-feet long cables with plug-in at both ends to match transmitter jacks. Provide two for each transmitter.
5. Headset style earphones with cable and plug to match receiver jacks. Headsets shall provide magnetic induction pick-up for hearing impaired, hearing aid interface operation. Provide one headset for each receiver.
6. Rechargeable Ni-Cad (NiMH) batteries, one complete set for each unit.
7. Locking auxiliary equipment storage cases for cables, microphones, and headsets. Quantity and capacity as required to store all accessories.
8. Portable floor stand, for infrared emitter/transmitter units mounting and support, with variable height adjustment and tip-resistant weighted base. Provide one floor stand for each infrared emitter/transmitter.
9. Locking, portable case for infrared emitter/transmitter. One for each emitter/ transmitter unit.
10. Provide microphone extension cable with plug to match microphone and infrared emitter/transmitter microphone input jack, 25-feet length. One for each micro-phone.

NOTE:
UNDERGROUND AND EXTERIOR CONDUIT REQUIRED TO HAVE WATERTIGHT FITTINGS AND WIRE TO BE APPROVAL FOR WET LOCATION.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC: A
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

Issue Date:
DSA

Revisions:
1
2
3

Consultant Stamp:

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No. E 10372
Exp. 09-30-24
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STATE OF CALIFORNIA

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FBA Job Number: 229.177

VSVES06 40x48 RELO CR

VALLECITOS ELEMENTARY
PORTABLE BUILDING
for
VALLECITOS UNIFIED SCHOOL DISTRICT
FALLBROOK CALIFORNIA

Job N°.: VSVES06

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MGPA ARCHITECTURE

Sheet Title:
ELECTRICAL SPECIFICATIONS

Sheet Number:
E-0.4

FBA Engineering / Plot Date: 4/26/2024 8:41 AM / Plotted by: William Ramirez / Drawing Location: I:\229\177\E-0.4_229177.dwg

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A04-103535

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FIRE

P.D.T.

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1.3 1.6 1.8 2.1 2.5 3.0 3.7 4.4 5.2 6.0 6.8 7.3 7.6 8.3 8.8 9.3 7.4
1.4 1.7 2.0 2.3 2.8 3.4 4.1 5.1 6.3 7.7 9.1 10.5 11.1 10.9 9.9 9.1 5.9
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SAFE DISPERSAL AREA

1

2 (TYP. FOR 3)

1

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

PLAN NOTES

1. PROVIDE 2#12, 1#12GRD-3/4"C. AND EXTEND TO BUILDING PANELBOARD FOR AVAILABLE SPARE 120V CIRCUIT. PROVIDE 20A/1P CIRCUIT BREAKER WITH REQUIRED MOUNTING HARDWARE IN SPACE OF PANELBOARD TO SERVE NEW EQUIPMENT AS INDICATED. NEW CIRCUIT BREAKER A.I.C. SHALL MEET OR EXCEED RATING OF EXISTING CIRCUIT BREAKERS CURRENTLY USED.
2. PROVIDE LED FLOODLIGHT FIXTURE WITH CAST ALUMINUM HOUSING, IMPACT RESISTANT TEMPERED GLASS LENS, PHOTOCELL, HIGHLY EFFICIENT LED DRIVER AND EMERGENCY BATTERY BACKUP SYSTEM FOR A MINIMUM OF 90 MINUTES OF OPERATION. LITHONIA RSXF3-P4-40K-NFL OR APPROVED EQUAL.

Statistics

Description	Symbol	Avg	Min	Max/Min	Avg/Min	Max
PATH OF EGRESS	+	4.1 fc	1.0 fc	11.9:1	4.1:1	11.9 fc

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

Issue Date: DSA

Revisions: 1 2 3

Consultant Stamp:

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fbaeng.com
FBA Job Number: 229.177

VSVES06 40x48 RELO CR

VALLECITOS ELEMENTARY
PORTABLE BUILDING
for
VALLECITOS UNIFIED SCHOOL DISTRICT
FALLBROOK
CALIFORNIA

Job Nº.: VSVES06

LICENSED ARCHITECT STEPHEN TIERNAN STATE OF CALIFORNIA Exp. 08-31-25

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MGPA ARCHITECTURE

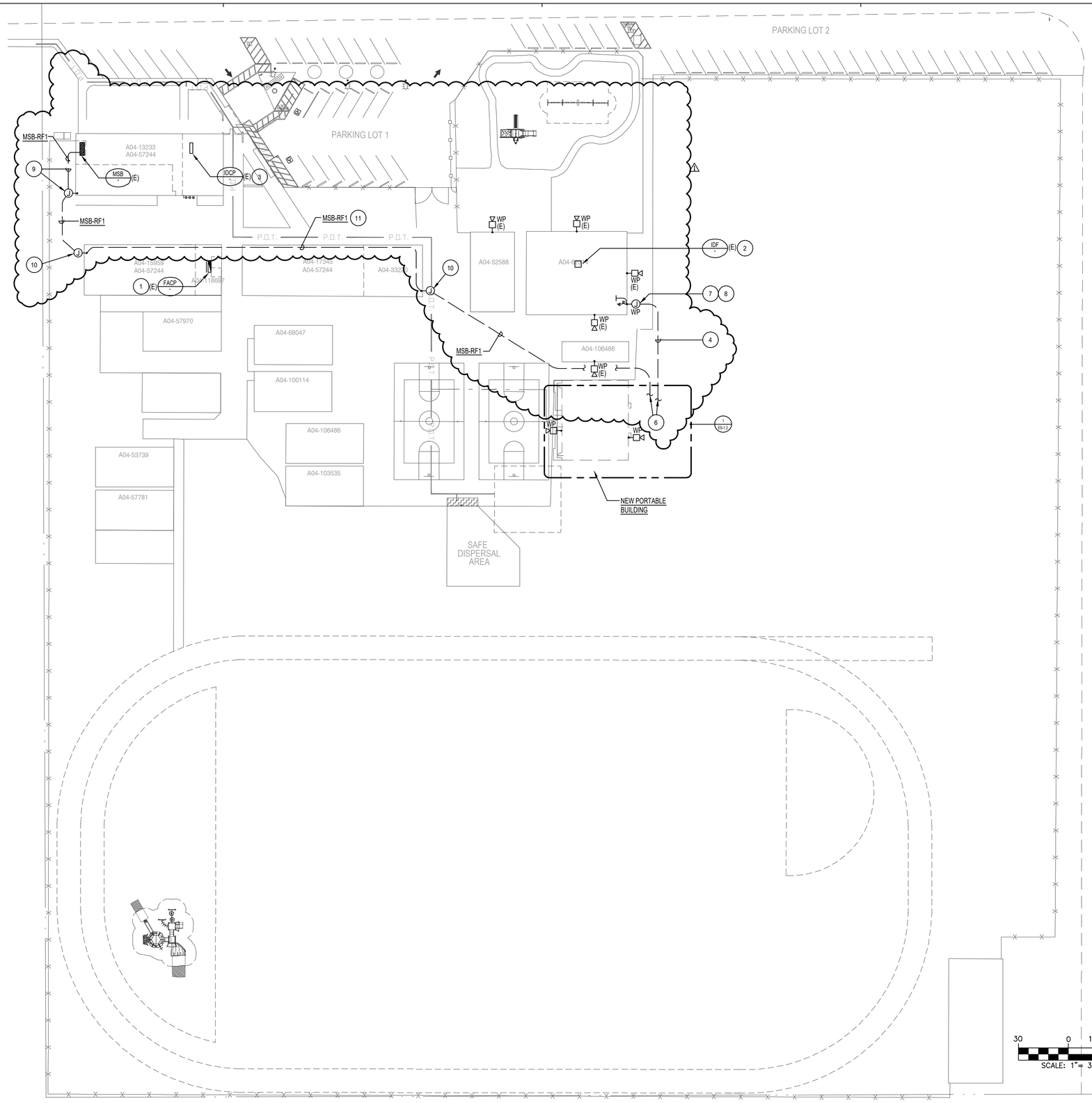
Sheet Title:
PATH OF EGRESS PHOTOMETRICS

Sheet Number:
E-0.5

PATH OF EGRESS PHOTOMETRICS

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

FBA Engineering / Plot Date: 4/26/2024 8:41 AM / Plotted by: William Ramirez / Drawing Location: I:\229\177\IE-0\5_229177.dwg



PLAN NOTES:

1. EXISTING FIRE ALARM CONTROL PANEL TO REMAIN SHALL BE MODIFIED, UPGRADED WITH NEW EQUIPMENT, AND REPROGRAMMED AS REQUIRED TO SERVE THE NEW CONSTRUCTION FOR A COMPLETE AND OPERABLE SYSTEM.
2. EXISTING DATA/VOICE NETWORK IDF EQUIPMENT RACK SHALL BE MODIFIED, UPGRADED WITH NEW PATCH PANEL FOR TERMINATION OF NEW CAT 6 CABLES AS REQUIRED TO PROVIDE A COMPLETE AND OPERABLE SYSTEM FOR THE NEW CONSTRUCTION.
3. EXISTING INTRUSION DETECTION SYSTEM CONTROL PANEL SHALL BE MODIFIED, UPGRADED WITH NEW EQUIPMENT, AND REPROGRAMMED AS REQUIRED TO PROVIDE A COMPLETE AND OPERABLE SYSTEM FOR THE NEW CONSTRUCTION.
4. PROVIDE THE FOLLOWING SIGNAL SYSTEMS CONDUITS WITH SPECIFIED CONDUCTORS, U.N.O.:
   2" C. DATA/VOICE NETWORK
   1" C. FIRE ALARM
   1" C. INTRUSION DETECTION
   1" C.O. SPARE
5. PROVIDE 2' X 3' X 3' D. CONCRETE PULLBOX WITH BOLT-DOWN TRAFFIC RATED COVER ENGRAVED: "POWER". INSTALL PULLBOX LID AND COVER TO BE FLUSH WITH THE ADJACENT FINISH GRADE.
6. SEE SHEET ES-1.2 FOR CONTINUATION.
7. PROVIDE A 12" X 12" X 6" D. WALL MOUNTED WEATHERPROOF PULLBOX FOR THE DATA/VOICE NETWORK SYSTEM. EXTEND 2" C. FROM PULLBOX AND ROUTE EXPOSED ON EXTERIOR WALL OF PORTABLE BUILDING TO AN ELEVATION ABOVE THE ACCESSIBLE CEILING INSIDE BUILDING. PROVIDE WEATHERPROOF LB FITTING AND PENETRATION THROUGH EXTERIOR WALL AND STUB 2" C. INTO CEILING SPACE. UTILIZE CEILING SPACE FOR ROUTING NEW CAT 6 CABLING EXPOSED AS INDICATED. PROVIDE SEAL FOR WALL PENETRATION.
8. PROVIDE A 12" X 12" X 6" D. WALL MOUNTED WEATHERPROOF PULLBOX FOR THE FIRE ALARM, INTRUSION DETECTION AND SPARE SYSTEMS. EXTEND TWO (2) 1" C. FROM PULLBOX AND ROUTE EXPOSED ON EXTERIOR WALL OF PORTABLE BUILDING TO AN ELEVATION ABOVE THE ACCESSIBLE CEILING INSIDE BUILDING. PROVIDE WEATHERPROOF LB FITTINGS AND PENETRATIONS THROUGH EXTERIOR WALL AND STUB ONE (1) 1" C. INTO CEILING SPACE. FIRE ALARM SYSTEM CONDUCTORS SHALL BE INSTALLED IN CONDUIT AS INDICATED. UTILIZE CEILING SPACE FOR EXTENDING NEW CABLING EXPOSED AS INDICATED TO INTERFACE WITH EXISTING SYSTEM EQUIPMENT/DEVICES WITHIN THE BUILDING AS REQUIRED TO SERVE THE NEW CONSTRUCTION. PROVIDE SEALS FOR WALL PENETRATIONS.
9. INDICATED CONDUIT SHALL RISE UP FROM BELOW GRADE, ROUTE EXPOSED ON SIDE OF BUILDING AND EXTEND TO SWITCHBOARD ENCLOSURE. PROVIDE WEATHERPROFF LB FITTING AND PENETRATE THE EXISTING ENCLOSURE IN ORDER TO EXTEND NEW FEEDER CONDUCTORS INTO SITCHBOARD FOR TERMINATION ON TO NEW CIRCUIT BREAKER DEVICE AS INDICATED SEAL ENCLOSURE PENETRATION. PAINT EXPOSED CONDUIT TO MATCH WALL SURROUNDING SURFACE COLOR.
10. INDICATED CONDUIT SHALL RISE UP FROM BELOW GRADE, ROUTE EXPOSED ON SIDE OF BUILDING UP TO THE CANOPY ROOF WHERE THE CONDUIT SHALL TRANSITION AND ROUTE EXPOSED AS INDICATED. PAINT EXPOSED CONDUIT TO MATCH SURROUNDING WALL SURFACE COLOR.
11. INDICATED CONDUIT SHALL ROUTE EXPOSED ON THE EXISTING BUILDING CANOPY ROOF.

OVERALL SITE ELECTRICAL PLAN

SCALE 1"=30'-0" | 1

DSA Stamp

Issue Date: DSA

Revisions:
1 ADD #1
2
3

Consultant Stamp:

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FBA Job Number 229.177

VSVES06 40x48 RELO CR

VALLECITOS ELEMENTARY SCHOOL
PORTABLE BUILDING
for
VALLECITOS UNIFIED SCHOOL DISTRICT
FALLBROOK CALIFORNIA

Job N°.: VSVES06

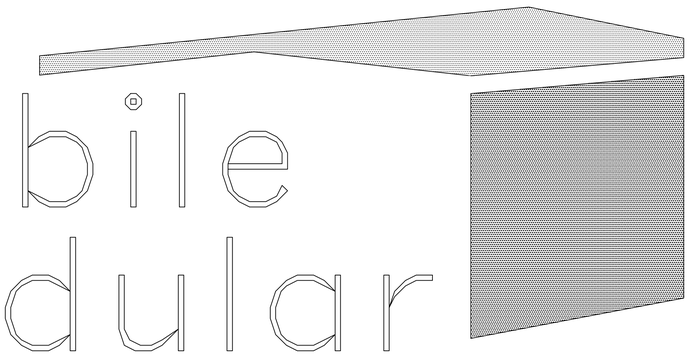
LICENSED ARCHITECT REGISTERED PROFESSIONAL ENGINEER STATE OF CALIFORNIA RENEWAL 08-31-26

MGPA ARCHITECTURE
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Sheet Title:
OVERALL SITE ELECTRICAL PLAN

Sheet Number:
ES-1.1

FBA Engineering / Plot Date: 5/21/2025 4:44 PM / Plotted by: Blake Meech / Drawing Location: I:\229\177\ES-1.1_229177.dwg



mobile modular

11450 MISSION BLVD.
MIRA LOMA, CA 91752

EXISTING STOCKPILE BUILDINGS MODIFICATION PLANS FOR EXPANSION OF 24'X40' BUILDINGS TO 48'X40' MODIFICATIONS ARE BASED ON DSA-APPROVED STOCKPILE A#65965

NOTE:
ALL THE STOCKPILES LISTED IN THIS PC WERE DESIGNED FOR MAXIMUM SEISMIC LOADS IN CA ACCORDING TO THE CODES UNDER WHICH THEY WERE DESIGNED (1988 – 2007 CBC), AND CAN BE PLACED ANYWHERE IN THE STATE FOR SEISMIC CONSIDERATIONS PER DSA POLICY

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48X40	MECHANICAL PLAN FOR 48X40 BLDG.	M-1

TITLE 24 CODES:

2022 California Administrative Code (CAC)..... (Part 1, Title 24, CCR)

2019 California Building Code (CBC), Volumes 1 and 2 ..... (Part 2, Title 24, CCR)

(2018 International Building Code with 2021 California amendments)

2019 California Electrical Code ..... (Part 3, Title 24, CCR)

(2017 National Electrical Code with 2022 California amendments)

2019 California Mechanical Code (CMC)..... (Part 4, Title 24, CCR)

(2018 Uniform Mechanical Code with 2019 California amendments)

2019 California Plumbing Code (CPC) ..... (Part 5, Title 24, CCR)

(2018 Uniform Plumbing Code with 2019 California amendments)

2019 California Energy Code ..... (Part 6, Title 24, CCR)

2019 California Fire Code (CFC) ..... (Part 9, Title 24, CCR)

(2018 International Fire Code with 2019 California Amendments)

2019 California Green Building Standards Code.....(Part 11, Title 24, CCR)

2019 California Referenced Standards Code.....(Part 12, Title 24, CCR)

REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:

2019 CBC, Chapter 35

2019 CFC, Chapter 80

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024



Date Signed: June 30, 2022

NOTES:
1. ALL WORK SHALL CONFORM TO TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR).
2. CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DIRECTIVE APPROVED BY THE DIVISION OF THE STATE ARCHITECT, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
3. A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR; R.B.I.P.
4. ALL DEMOLITION AND CONSTRUCTION WORK SHALL COMPLY WITH CFC CHAPTER 33.

BUILDING DATA FOR PC 266 / STOCKPILE A#65965	
24'X40' / 48'X40' BLD'G	
OCCUPANCY	E-1 & E-2
TYPE OF CONSTRUCTION	V-N
WIND LOAD	70 MPH EXP "C"
FLOOR LIVE LOAD	50 PSF
ROOF LIVE LOAD	20 PSF
BUILDING AREA	980/1920 SQ. FT.
STRUCTURAL SYSTEM	RIGID FRAME

APPLICABLE CODES FOR PC 266 STOCKPILE/65965

TITLE 24 CODES:

2001 BUILDING STANDARDS ADMINISTRATIVE CODE.....(PART 1, TITLE 24, CCR)

2001 CALIFORNIA BUILDING CODE (CBC).....(PART 2, TITLE 24, CCR)

(1997 UNIFORM BUILDING CODE VOLUMES 1,2,3 WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA ELECTRICAL CODE (CEC).....(PART 4, TITLE 24 CCR)

(1999 NATIONAL ELECTRICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA MECHANICAL CODE (CMC).....(PART 4, TITLE 24, CCR)

(2000 IAPMO UNIFORM MECHANICAL CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA PLUMBING CODE (CPC).....(PART 5, TITLE 24, CCR)

(2000 IAPMO UNIFORM PLUMBING CODE WITH 2001 CALIFORNIA AMENDMENTS)

2001 CALIFORNIA FIRE CODE (CFC).....(PART 9, TITLE 24, CCR)

2001 CALIFORNIA REFERENCE STANDARDS CODE.....(PART 12, TITLE 24, CCR)

1990 TITLE 19, CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

2001 CALIFORNIA ENERGY CODE.....(PART 6, TITLE 24, CCR)

2001 CALIFORNIA ELEVATOR SAFETY CONST. CODE.....(PART 7, TITLE 24, CCR)

APPROVAL – PC ENGINEER OF RECORD

STRUCTURAL ENGINEERS, INC.

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MEMBER
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Sheet No.	Description	Dated	Revised

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

COVER SHEET

DRAWN

CHECKED

DATE
NOVEMBER 1, 2021

SCALE

JOB NO.

T — 1

OF 12 SHEETS

MOBILE MODULAR MANAGEMENT STOCKPILE MODIFICATION SHEET T.DWG

CLASSROOM SIZE	SERIAL NUMBER	SIDEWALL REMOVAL	SIDEWALL ADDITION	DOOR OPENING INFILL	WINDOW OPENING INFILL	HVAC OPENING INFILL	T-BAR CEILING REALIGNMENT
LIST OF SERIAL NUMBERS APPLICABLE TO THIS STOCKPILE PLAN							
48x40	28432						
48x40	28433	X					X
48x40	27236	X			X		X
48x40	27237			X			
48x40	27188						
48x40	27189	X					X
48x40	28470	X			X		X
48x40	28471			X			
48x40	26988						
48x40	26989	X					X
48x40	27322	X			X		X
48x40	27323			X			
48x40	18586						
48x40	18587	X					X
48x40	27090	X			X		X
48x40	27091			X			
48x40	27126						
48x40	27127	X					X
48x40	27328	X			X		X
48x40	27329			X			
48x40	18584						
48x40	18585	X					X
48x40	26840	X			X		X
48x40	26841			X			
48x40	27380						
48x40	27381	X					X
48x40	27384	X			X		X
48x40	27385			X			
48x40	27144						
48x40	27145	X					X
48x40	27028	X			X		X
48x40	27029			X			
48x40	26792						
48x40	26793	X					X
48x40	20175-MT	X			X		X
48x40	20176-MT			X			
48x40	26774						
48x40	26775	X					X
48x40	27006	X			X		X
48x40	27007			X			
48x40	21793						
48x40	21794	X					X
48x40	27060	X			X		X
48x40	27061			X			
48x40	27034						
48x40	27035	X					X
48x40	27038	X			X		X
48x40	27039			X			
48x40	26936						
48x40	26937	X					X
48x40	26938	X			X		X
48x40	26939			X			
48x40	26808						
48x40	26809	X					X
48x40	21827	X			X		X
48x40	21828			X			
48x40	27000						
48x40	27001	X					X
48x40	27246	X			X		X
48x40	27247			X			
48x40	27050						
48x40	27051	X					X
48x40	27114	X			X		X
48x40	27115			X			
48x40	27004						
48x40	27005	X					X
48x40	27008	X			X		X
48x40	27009			X			
48x40	27194						
48x40	27195	X					X
48x40	27160	X			X		X
48x40	27161			X			
48x40	27148						
48x40	27149	X					X
48x40	26742-MT	X			X		X
48x40	26743-MT			X			
48x40	26962						
48x40	26963	X					X
48x40	21877	X			X		X
48x40	21878			X			

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REGISTERED PROFESSIONAL ENGINEER
JAMES T. SIMPSON
No.3602
STRUCTURAL
STATE OF CALIFORNIA

Date Signed: June 30, 2022

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SS ☑ FLS ☑ ACS ☑
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MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

SERIAL NUMBERS

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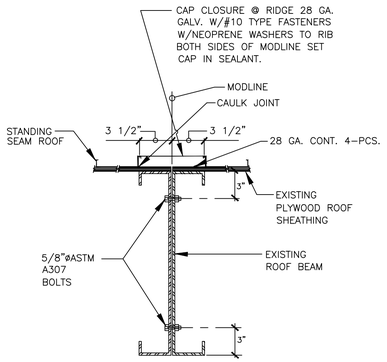
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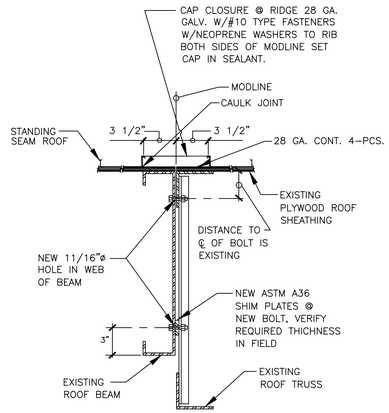
T – 2

OF 12 SHEETS

MOBILE MODULAR MANAGEMENT STOCKPILE MODIFICATION SHEET T-2.DWG



NEW ROOF BEAM TO ROOF BEAM CONNECTION

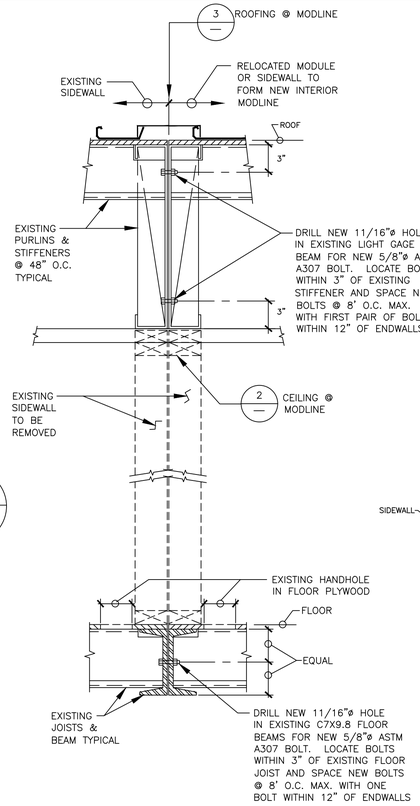


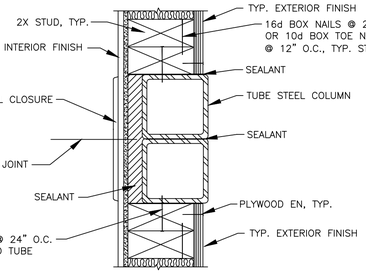
NEW ROOF BEAM TO ROOF TRUSS CONNECTION

ROOFING @ MODLINE

3

1 1/2" = 1'-0"

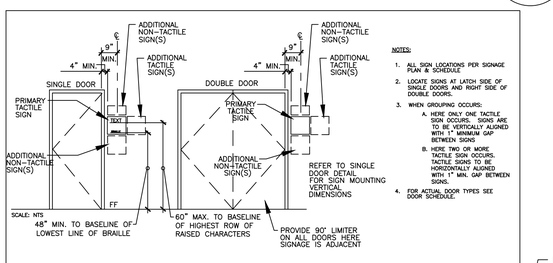




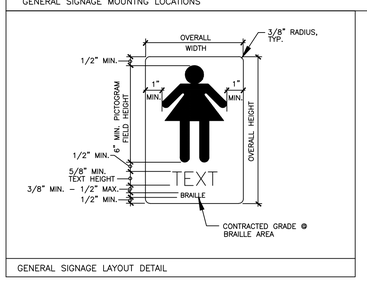
COLUMN @ MODLINE

4

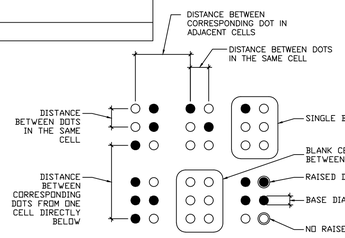
3" = 1'-0"



GENERAL SIGNAGE MOUNTNG LOCATIONS



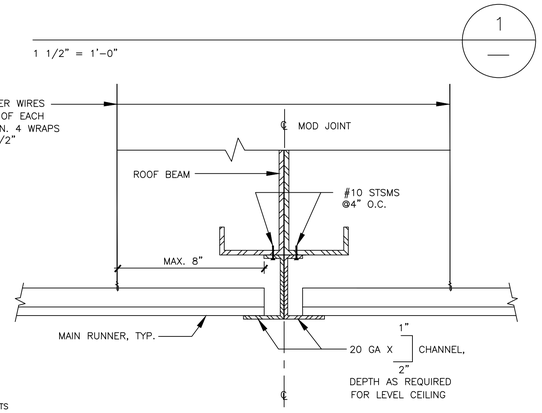
GENERAL SIGNAGE LAYOUT DETAIL



BRAILLE TEMPLATE

BRAILLE DIMENSIONS TABLE 11B-703.3.1	
MEASUREMENT RANGE	MINIMUM IN INCHES MAXIMUM IN INCHES
DOT BASE DIMATER	0.059 (1.5 mm) TO 0.063 (1.6 mm)
DISTANCE BETWEEN TWO DOTS IN THE SAME CELL[1]	0.100 (2.5 mm)
DISTANCE BETWEEN CORRESPONDING DOTS IN ADJACENT CELLS[1]	0.300 (7.6 mm)
DOT HEIGHT	0.025 (0.6 mm) TO 0.037 (0.9 mm)
DISTANCE BETWEEN CORRESPONDING DOTS FROM ONE CELL DIRECTLY BELOW[1]	0.395 (10 mm) TO 0.400 (10.2 mm)

1. MEASURED CENTER TO CENTER

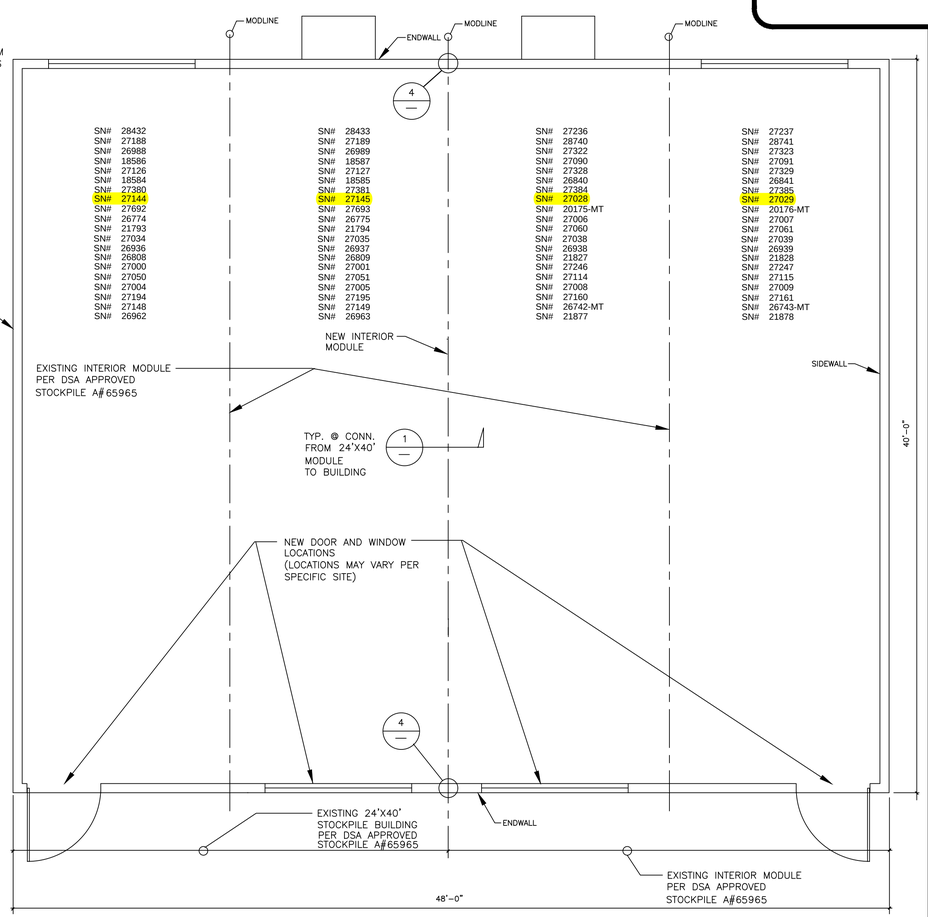


NOTE: LAY-IN CEILING TILE NOT SHOWN FOR CLARITY

GRID AT MOD LINE
FREE SIDE

2

3" = 1'-0"



MODIFICATION PLAN

1/4" = 1'-0"

NOTES:

1. MODIFY EXISTING 24'X40' BUILDINGS, FROM A#65965 TO FORM 48'X40' BUILDING, SEE SERIAL NO. LIST ON SHEET T-2.
2. 24'X40' MODULE ADDED TO 24'X40' BUILDING TO FORM 48'X40' MODULE CAN BE ADDED TO SIDES OR INTERIOR; FLOOR PLAN SHOWN ABOVE MAY BE MIRRORED, ADDED 24'X40' MODULE MAY BE LOCATED AS CENTER MODULE.

REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No.3602 STRUCTURAL STATE OF CALIFORNIA

Date Signed: June 30, 2022

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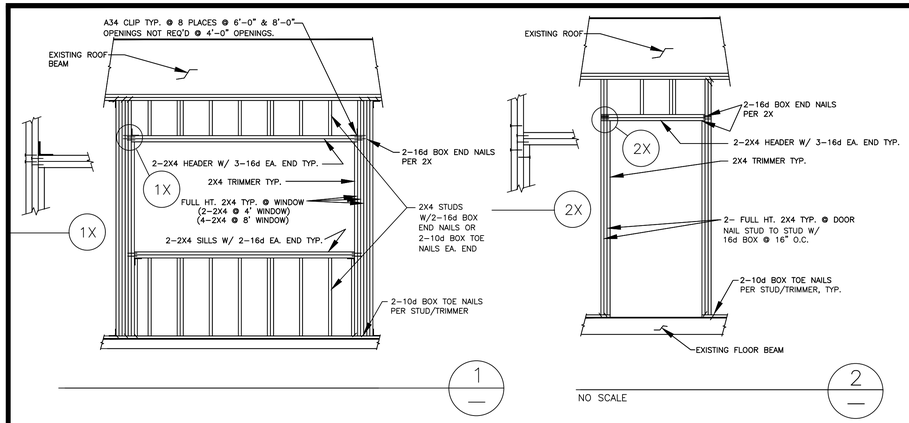
MODIFICATION PLAN FOR
48 X 40 BUILDINGS

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NOVEMBER 1, 2021
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JOB NO.

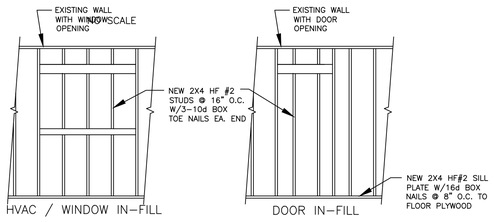
S-1

OF 12 SHEETS

MOBILE MODULAR STOCKPILE MODIFICATION SHEET S-1.DWG



NO SCALE



INFILL DETAILS @ EXISTING WALL

3"=1'-0"

GA FILE NO. WP 3514	GENERIC	1 HOUR FIRE	35 TO 39 STC SOUND

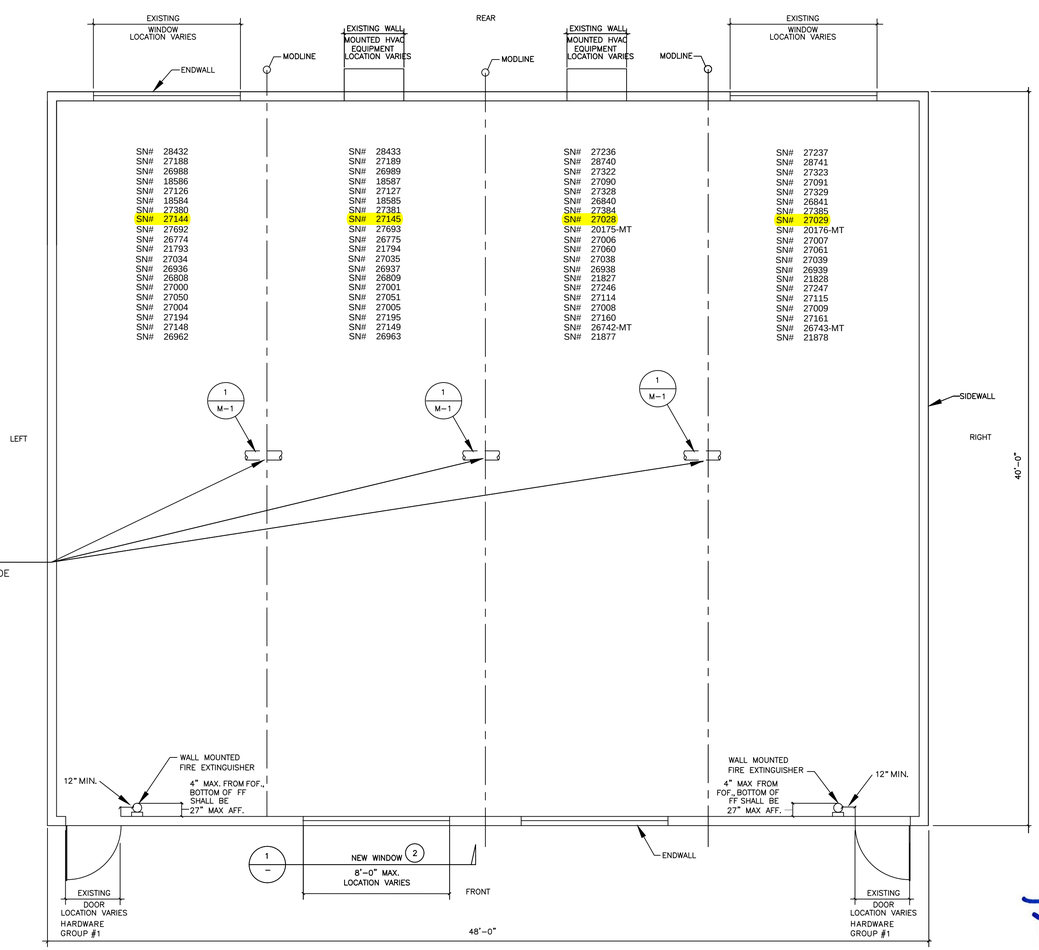
GYPSUM WALLBOARD, WOOD STUDS

ONE LAYER 5/8" TYPE X GYPSUM WALL BOARD OR GYPSUM VENEER BASE APPLIED PARALLEL OR AT RIGHT ANGLES TO EACH SIDE OF 2X4 WOOD STUDS 16" O.C. WITH 1 1/4" TYPE W DRYWALL SCREWS 12" O.C.

JOINTS STAGGERED 16" ON OPPOSITE SIDES. (LOAD-BEARING)

THICKNESS: 4 3/4"
APPROX. WEIGHT: 7 psf
FIRE TEST: SWRI 01-4511-619(1), 3-94
SOUND TEST: SEE WP 3520 (G&H NG-246FT,7-2-65)

ONE HOUR RATED WALL



MODIFICATION PLAN

1/4" = 1'-0"

NOTES:

1. NEW DOORS CAN BE LOCATED ON END WALLS. NUMBER OF NEW 3' WIDE BY 7' HIGH DOORS IS NOT LIMITED. SEPARATE DOORS BY 12" MIN.
2. NEW WINDOWS CAN BE LOCATED ON SIDE OR END WALLS. NUMBER OF NEW WINDOWS IS NOT LIMITED. SEPARATE WINDOWS BY 12" MIN.
3. FILL IN ANY ABANDONED DOORS OR WINDOWS PER DETAIL
4. ADJUST DOOR CLOSER 5 LBS AS REQUIRED.

EGRESS NOTES:

1005.5. DISTRIBUTION OF EGRESS CAPACITY.

WHERE MORE THAN ONE EXIT, OR ACCESS TO MORE THAN ONE EXIT, IS REQUIRED, THE MEANS OF EGRESS SHALL BE CONFIGURED SUCH THAT THE LOSS OF ANY ONE EXIT, OR ACCESS TO ONE EXIT, SHALL NOT REDUCE THE AVAILABLE CAPACITY TO LESS THAN 50 PERCENT OF THE REQUIRED CAPACITY.

1014.3 COMMON PATH OF EGRESS TRAVEL.

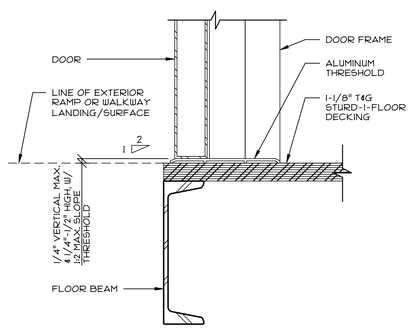
THE COMMON PATH OF EGRESS TRAVEL SHALL NOT EXCEED THE COMMON PATH OF EGRESS TRAVEL DISTANCES IN TABLE 1014.3.

1015.2.1 TWO EXITS OR EXIT ACCESS DOORWAYS.

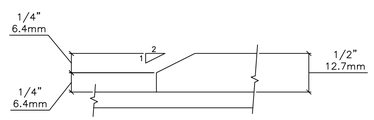
WHERE TWO EXITS OR EXIT ACCESS DOORWAYS ARE REQUIRED FROM ANY PORTION OF THE EXIT ACCESS, THE EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE PLACED A DISTANCE APART EQUAL TO NOT LESS THAN ONE-HALF OF THE LENGTH OF THE MAXIMUM OVERALL DIAGONAL DIMENSION OF THE BUILDING OR AREA TO BE SERVED MEASURED IN A STRAIGHT LINE BETWEEN EXIT DOORS OR EXIT ACCESS DOORWAYS. INTERLOCKING OR SCISSOR STAIRS SHALL BE COUNTED AS ONE EXIT STAIRWAY.

1015.2.2 THREE OR MORE EXITS OR EXIT ACCESS DOORWAYS

WHERE ACCESS TO THREE OR MORE EXITS IS REQUIRED, AT LEAST TWO EXIT DOORS OR EXIT ACCESS DOORWAYS SHALL BE ARRANGED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 1015.2.1 ADDITIONAL REQUIRED EXIT OR EXIT ACCESS DOORWAYS SHALL BE ARRANGED A REASONABLE DISTANCE APART SO THAT IF ONE BECOMES BLOCKED, THE OTHERS WILL BE AVAILABLE.

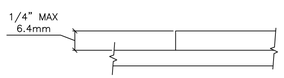


THRESHOLD DETAIL



BEVEL CHANGE IN LEVEL

11B-303.3 BEVELED. CHANGES IN LEVEL BETWEEN 1/4" (6.4mm) HIGH MINIMUM AND 1/2" (12.7mm) HIGH MAXIMUM SHALL BE BEVELED WITH A SLOPE NOT STEEPER THAN 1:2.



VERTICAL CHANGE IN LEVEL

11B-303.2 VERTICAL. CHANGES IN LEVEL OF 1/4" (6.4mm) HIGH MAXIMUM SHALL BE PERMITTED TO BE VERTICAL AND WITHOUT EDGE TREATMENT.

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REGISTERED PROFESSIONAL ENGINEER JAMES T. SIMPSON No.3602 STRUCTURAL STATE OF CALIFORNIA

Date Signed: June 30, 2022

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

MODIFICATION PLAN FOR 48 X 40 BUILDINGS

DRAWN
CHECKED
DATE
NOVEMBER 1, 2021
SCALE
JOB NO.

A — 1

OF 12 SHEETS

MOBILE MODULAR UNIVERSAL ARCHITECTURAL MODIFICATIONS SHEET A-1.DWG

SYMBOL	DESCRIPTION
	2'x4' FLUORESCENT RECESSED FIXTURE, W/DIFFUSED PRISMATIC LENS W/2 BALLAST(S) & (3) T8 TUBES
	CEILING MOUNTED EXHAUST FAN 100 CFM
$	SINGLE SWITCH 20 AMP IN SINGLE GANG BOX
$$$	TRIPLE SWITCH 20 AMP IN TRIPLE GANG BOX
	DUPLEX RECEPT – 20 AMP
WP GFI	DEDICATED DUPLEX RECEPT – 20 AMP W/GROUND FAULT INTERRUPTER AND CLEAR IN-USE COVER
	EXTERIOR MOUNTED LED LIGHT FIXTURE, MERU ACEM DB OR EQUAL, 17 WATTS / EMERGENCY BATTERY BACK UP
T	THERMOSTAT-PROGRAMMABLE, "BRAEBURN" #2200 (+48")
J	J-BOX MOUNTED IN CEILING FOR LIGHT FIXTURES, RUN WIRE TO PANEL BOX
F	WATER PROOF J-BOX AT FLOOR LEVEL W/ 3/4" C.O. STUBBED TO ATTIC
+80" S	4S J-BOX W/SINGLE GANG RING FOR FUTURE FIRE ALARM INTERIOR SPEAKER/STROBE W/3/4" CONDUIT STUBBED ABOVE CEILING, NO WIRE, BLANK COVER PLATE (DEVICES, WIRING & INSTALLATION BY OTHERS)
+80" H	4S J-BOX W/SINGLE GANG RING FOR FUTURE FIRE ALARM EXTERIOR SPEAKER W/3/4" CONDUIT STUBBED ABOVE CEILING, NO WIRE, WEATHERPROOF BLANK COVER PLATE (DEVICES, WIRING & INSTALLATION BY OTHERS)
	CLOCK MOUNTED 6" BELOW CEILING LINE
D	DISCONNECT SWITCH BUILT INTO A/C
SD	EMPTY 4S J-BOX W/SINGLE GANG RING FOR FIRE ALARM SMOKE DETECTOR MOUNTED IN CEILING, NO WIRE, BLANK COVER
HD	EMPTY 4S J-BOX W/SINGLE GANG RING FOR FIRE ALARM HEAT DETECTOR MOUNTED IN CEILING, NO WIRE, BLANK COVER
H.W.	INSTA HOT WATER HEATER 120V. (OPTIONAL)
EXIT	WALL MOUNTED ILLUMINATED EXIT SIGN WITH EMERGENCY LIGHTS

NOTE:
1. LOCATE ALL RECEPTACLES & J-BOX'S @ 18" TO CENTERLINE OF BOX AFF
2. LOCATE ALL SWITCHES @ 48" TO TOP OF BOX AFF
3. LOCATE ALL T-STATS @ 48" TO TOP OF BOX AFF
4. WHEN MULTIPLE GFI RECEPTACLES ARE SHOWN ON THE SAME CIRCUIT INSTALL W/ FEED THROUGH GFI RECEPT & PROTECT DOWNSTREAM RECEPTACLE OFF OF FEED THROUGH GFI & LABEL PROPERLY
5. LIGHTING TO BE INSTALLED PER DETAIL #4 OF MMMC SPECS, TITLE 24, PARTS 1 & 2 OF THE CCR & TO IR-47-3 & 47-4 OF THE DSA INTEPRETIVE MANUAL
6. THE INSTALLATION OF ALL LIGHTS & CEILINGS TO BE INSTALLED PER MMM SPECS & PARTS 1 & 2 OF THE CCR & TO #IR-47-3 & #IR-47-4 OF THE DSA INTEPRETIVE MANUAL
7. ALL SUPPLY REGISTERS TO BE POSITIVELY ATTACHED TO THE ROOF RAFTER (2 CORNERS PER REGISTER MIN.)
8. FIRE ALARM SYSTEM IS SITE SPECIFIC AND IS APPROVED AS A SEPARATE DEFERRED APPROVAL.

ELECTRICAL PANEL SCHEDULE: A

VOLTS: 120/240 V | MOUNTING: INTERIOR | VOLTS: 1Ø
MAIN: 100 | SUB: | WIRE: 3

LOCATION	WATTS Aø	WATTS Bø	LTG	REC	MISC	BRK	CKT	A	B	CKT	BRK	MISC	REC	LGT	WATTS Aø	WATTS Bø	LOCATION
RECP.	720			4		20	1			2	20			14	896		LIGHT/ EXIT/PORCH
RECP.		360		2		20	3			4	20		1			360	FIRE ALARM (*see note)
HVAC	5244				1	70	5			6							
HVAC		5244				70	7			8							
							9			10							
							11			12							
							13			14							
							15			16							

WATTS/PHASE A= 6,860 | WATTS/PHASE B= 5,964
TOTAL WATTS= 16,144 | AMPS= 67.26 | LCL= 3320

ELECTRICAL PANEL SCHEDULE: B

VOLTS: 120/240 V | MOUNTING: INTERIOR | VOLTS: 1Ø
MAIN: 100 | SUB: | WIRE: 3

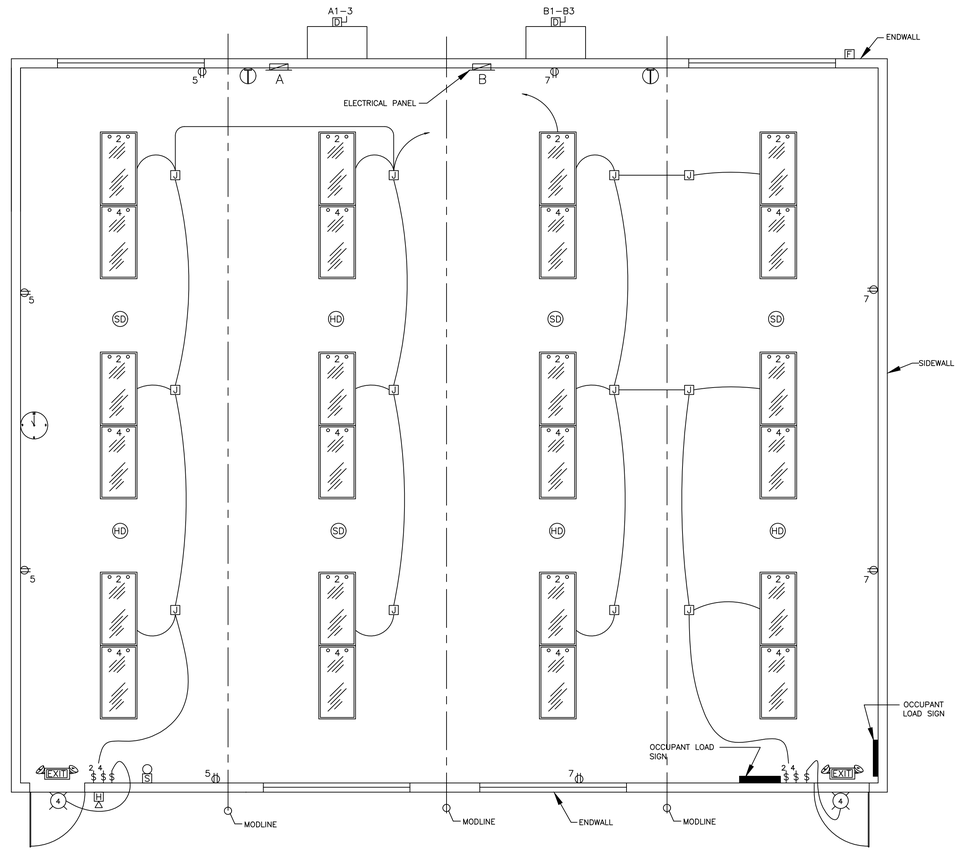
LOCATION	WATTS Aø	WATTS Bø	LTG	REC	MISC	BRK	CKT	A	B	CKT	BRK	MISC	REC	LGT	WATTS Aø	WATTS Bø	LOCATION
RECP.	540			3		20	1			2	20			14	896		LIGHT/ EXIT/PORCH
RECP.		360		2		20	3			4	20		1			360	FIRE ALARM (*see note)
HVAC	5244				1	70	5			6							
HVAC		5244				70	7			8							
							9			10							
							11			12							
							13			14							
							15			16							

WATTS/PHASE A= 6,680 | WATTS/PHASE B= 5,964
TOTAL WATTS= 15,964 | AMPS= 66.51 | LCL= 3320

ELECTRICAL PANEL

NOTE: UNLESS SPECIFICALLY SHOWN ON THESE PLANS NO STRUCTURAL MEMBERS SHALL BE CUT, DRILLED NOR NOTCHED WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE STRUCTURAL ENGINEER AND THE DISTRICT STRUCTURAL ENGINEER FROM THE DIVISION OF THE STATE ARCHITECT.

NOTE:
ALL THE STOCKPILES LISTED IN THIS PC WERE DESIGNED FOR MAXIMUM SEISMIC LOADS IN CA ACCORDING TO THE CODES UNDER WHICH THEY WERE DESIGNED (1988 – 2007 CBC), AND CAN BE PLACED ANYWHERE IN THE STATE FOR SEISMIC CONSIDERATIONS PER DSA POLICY

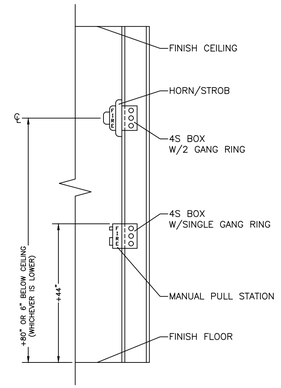


PROVIDE EMERGENCY EGRESS ILLUMINATION TO A SAFE DISPERSAL AREA PER DSA IR 10-1.
COORDINATE EMERGENCY EGRESS ILLUMINATION WITH PROJECT SPECIFIC SITE PLANS.

PHOTOCELL

ELECTRICAL PLAN

1/4" = 1'-0"



A STANDARD FIRE ALARM HEIGHTS

NOTE:
ALL EXISTING F.A. BOXES TO REMAIN WHERE LOCATED

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JAMES T. SIMMONS No.3602 REGISTERED PROFESSIONAL ENGINEER STRUCTURAL STATE OF CALIFORNIA

Date Signed: June 30, 2022

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

MODIFICATION PLAN FOR
48 X 40 BUILDINGS

APPROVAL – PC ENGINEER OF RECORD

STRUCTURAL ENGINEERS, INC.
4091 RIVERSIDE DRIVE, SUITE 114
CHINO, CALIFORNIA 91710
MEMBER
STRUCTURAL ENGINEERS ASSOCIATION OF CALIFORNIA
AMERICAN CONCRETE INSTITUTE
(909) 613-0234
Fax(909) 613-0238

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OF 12 SHEETS

MOBILE MODULAR MANAGEMENT UNIVERSAL ARCHITECTURAL MODIFICATIONS SHEET_E-1.DWG

LEGEND

- 12"x12" SUPPLY AIR GRILLE W/4-WAY CURVED BLADE DIFFUSER "AIRMATE" #204M 12"x12" W/BACK BOX & COLLAR
- 24"x24" RETURN AIR GRILLE PERF. FACE
- THERMOSTAT-PROGRAMMABLE, "BRAEBURN" #2200

MECHANICAL NOTES

MECHANICAL EQUIPMENT INSTALLATION IN OR ON THIS BUILDING SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE U.M.C. UNLESS OTHERWISE SPECIFICALLY EXEMPTED OR REQUIRED BY APPROVED STATE REGULATORY AGENCIES.

MECHANICAL AND GRAVITY VENTILATION REQUIREMENTS SHALL COMPLY WITH STATE OF CALIFORNIA CCR TITLE 24, PART 6, SECTION T-20.

RECTANGULAR DUCT SHALL BE 'FIBERGLASS' TYPE LP OR EQUAL U.L. LISTED WITH 1" THICK INSULATED DUCT BOARD WITH JOINTS SEALED WITH DUCTBOARD TAPE.

ROUND FLEX DUCT SHALL BE U.L. LISTED CLASS 1, STANDARD 181 - FACTORY MADE AIR DUCTS AND AIR CONNECTORS. THE MINIMUM THERMAL PERFORMANCE SHALL BE AT 4.2 R-VALUE, AND MEASURED IN ACCORDANCE TO ASTM C 518 OR ASTM C 177 AT 75DEG F MEAN TEMPERATURE. INSTALLATION SHALL BE IN ACCORDANCE WITH MANUFACTURES INSTALLATION INSTRUCTIONS

THERMOSTAT PROGRAMMING TO BE PERFORMED AND BATTERY TO BE PROVIDED BY OTHERS ON SITE.

ALL HVAC EQUIPMENT LEAVES FACTORY WIRED FOR 240 VOLT OPERATION THE ACCEPTABLE OPERATING RANGE FOR THE 240V & 208V TAPS ARE:

TAP	RANGE
240	253-216
208	220-187

AIR FILTERS IN HVAC UNITS OR SYSTEMS ARE TO BE CHANGED EVERY 30 DAYS BY OTHERS ON SITE.

TEST AND BALANCE OF HVAC SYSTEM TO BE PROVIDED AND PERFORMED BY OTHERS ON SITE.

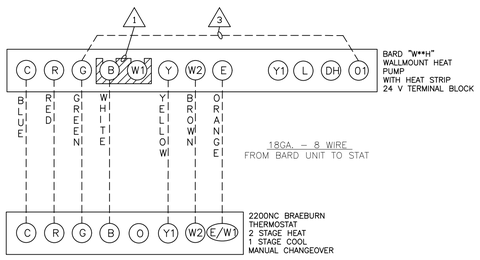
SET UP AND TESTING OF ECONOMIZERS, AND CLASSROOM VENTILATORS TO BE PROVIDED AND PERFORMED BY OTHERS ON SITE.

NOTE: HVAC units operated on generator power must be protected from voltage fluctuation, or voltage variance. Improper voltage may cause short and long range damage to HVAC unit components and may void HVAC unit warranties.

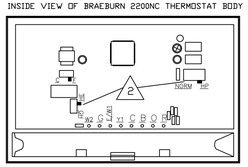
HP 1

4.0 Ton Heat Pump, Bard, R410a, Step Capacity Wallmount,
45,000 Nom Btu Cooling Capacity - 14.5 IPLV
41,000 Nom Btu Heating Capacity from Compressor.
Additional 13,562 Nom Btu Heating Capacity from Heat Strips @ 240V.
MCA 57, MOCP 60, Min. Wire Size #6
1500 CFM @ 0-.5 Esp, Unit Weight 700 lbs.
230 Volt, 60 Cycle, Single Phase
Recuires use of CPB5A-4 Top Discharge Plenum

THERMOSTAT WIRING DIAGRAM

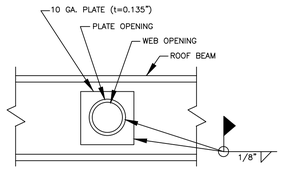


INSIDE VIEW OF BRAEBURN 2200NC THERMOSTAT BODY



NOTES:

1. BARD FACTORY INSTALLED JUMPER PLATE TO ENERGIZE ALL HEAT STRIPS FROM SINGLE STAGE HEATING STAT
2. SET ELEC./GAS SWITCH TO "HE" ON THIS APPLICATION. SET NORM/HP SWITCH TO "HP" ON THIS APPLICATION.
3. FIELD INSTALLED JUMPER (G TO 01) BY UNIT INSTALLER TO ENERGIZE VARIOUS BARD VENTILATION OPTIONS



WEB OPENING	PLATE SIZE	PLATE OPENING
6"ø	12"X12"	6 1/4"ø
8"ø	14"X14"	8 1/4"ø
10"ø	16"X16"	10 1/4"ø

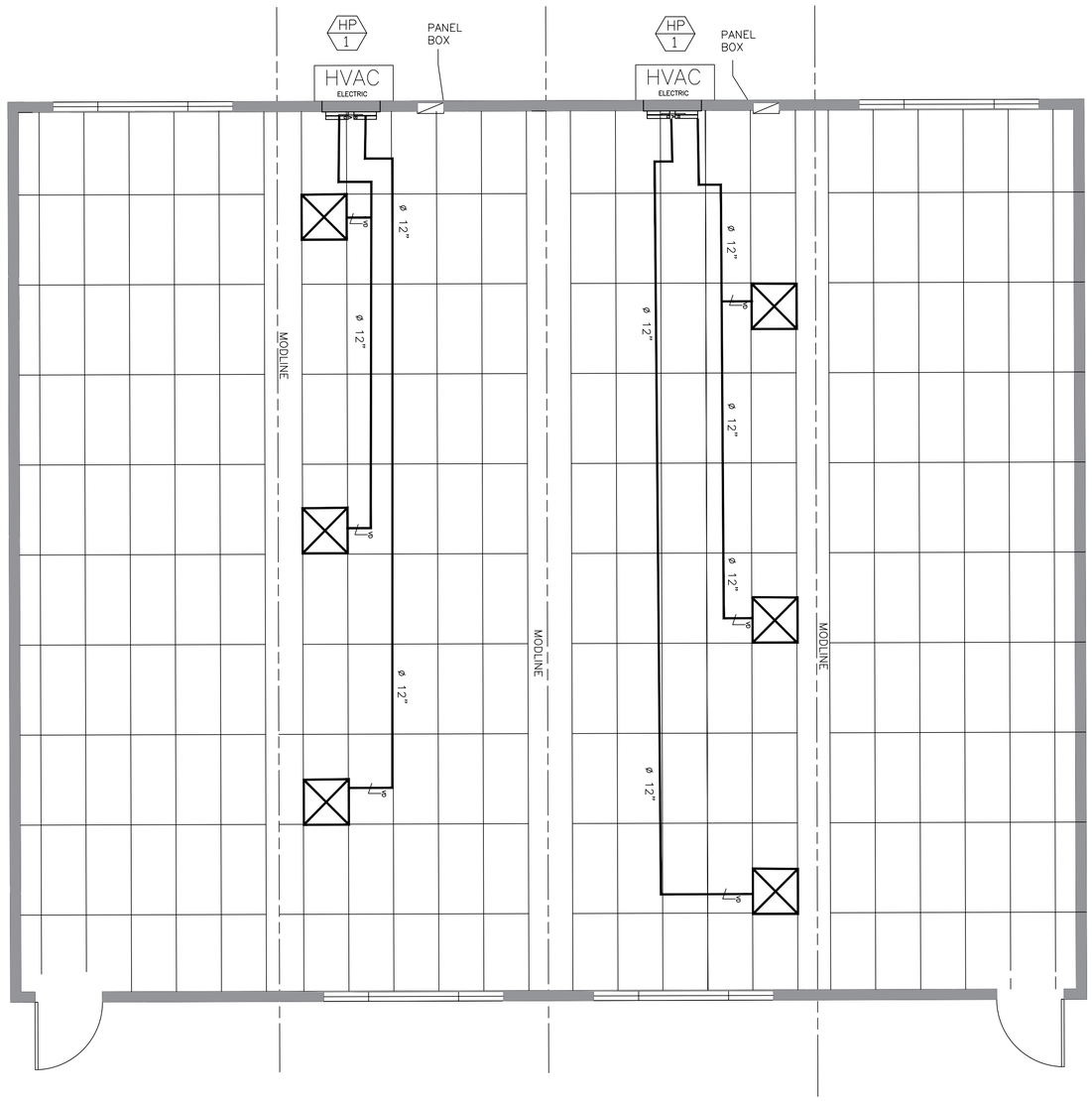
24" MIN. SPACING ℄ OF HOLE TO ℄ OF HOLE.

OPTIONAL BEAM PENETRATION

NTS

1
M-1

NOTE:
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MECHANICAL PLAN

1/4" = 1'-0"

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No.3602
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MOBILE MODULAR MANAGEMENT UNIVERSAL ARCHITECTURAL MODIFICATIONS SHEET_M-1.DWG

mobile modular

11450 MISSION BLVD.
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DSA FOUNDATION PLANS

FOR EXISTING STOCKPILE BUILDINGS

(BASED ON PC 04 – 122274)

WITH OPTIONAL S_s = 2.183 AND S_s = 3.08

NOTE: SEE DESIGN DATA TABLE SHEET F-1

TITLE 24 CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR)

2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR)

2022 CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR)

2022 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)

2022 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)

2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2022 CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR)

2022 CALIFORNIA EXISTING BUILDING CODE (CEBC) (PART 10, TITLE 24, CCR)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) (PART 11, TITLE 24, CCR)

2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

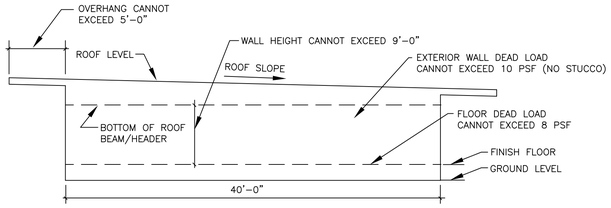
TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

FOUNDATION PC ONLY LIMITATIONS

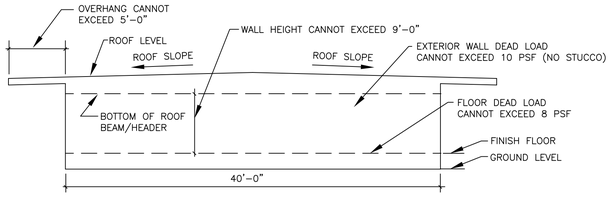
THIS WOOD FOUNDATION ONLY PC HAS BEEN DESIGNED TO SUPPORT THE SUPERSTRUCTURE FOR THE RELOCATABLE BUILDINGS LISTED ON SHEET F–2 OF THESE DRAWINGS. THE DESIGN CALCULATIONS HAVE BEEN BASED ON THE FOLLOWING:

- A ROOF OVERHANG OF 5 FEET MAX
- A WALL HEIGHT OF 9 FEET MAX (FROM FINISH FLOOR IN BUILDING TO BOTTOM OF STEEL ROOF BEAMS/HEADERS)
- WALL DEAD LOAD OF 10 PSF (NO STUCCO)
- FLOOR DEAD LOAD OF 8 PSF
- SEE SEISMIC DESIGN DATA, SHEET F–1, FOR S_{DS} LIMITATIONS FOR SITE.

THE TYPICAL ELEVATIONS BELOW ARE TO CLARIFY THESE LIMITATIONS. DOCUMENTATION SHALL BE PROVIDED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE, WHICH NEEDS TO BE REVIEWED AND APPROVED BY THE DSA STRUCTURAL PLAN REVIEWER.



SINGLE SLOPE BUILDING



DUAL SLOPE BUILDING

SHEET INDEX

OPTIONS	SHEET TITLE	SHEET NUMBER
COVER SHEET	GENERAL NOTES; APPLICABLE CODES; BUILDING DATA; WIND DESIGN DATA, EARTHQUAKE DESIGN DATA	F-1
ALL	DSA A NUMBER LISTING MATRIX	F-2
BUILDING SIZE		
24X40	☐ 50 PSF + 20 PSF (Ss 2.183)	F-3
	☐ 50 PSF (Ss 2.183)	F-3
	☐ 50 PSF + 20 PSF (Ss 3.08)	F-3A
	☐ 50 PSF (Ss 3.08)	F-3A
	☐ 100 PSF (Ss 2.183)	F-3B
	☐ 125 PSF (Ss 2.183)	F-3B
	☐ 100 PSF (Ss 3.08)	F-3C
	☐ 125 PSF (Ss 3.08)	F-3C
36X40	☐ 50 PSF + 20 PSF (Ss 2.183)	F-3
	☐ 50 PSF (Ss 2.183)	F-3
	☐ 50 PSF + 20 PSF (Ss 3.08)	F-4B
	☐ 50 PSF (Ss 3.08)	F-4B
	☐ 100 PSF (Ss 2.183)	F-4B
	☐ 125 PSF (Ss 2.183)	F-4B
	☐ 100 PSF (Ss 3.08)	F-4C
	☐ 125 PSF (Ss 3.08)	F-4C
48X40	☐ 50 PSF + 20 PSF (Ss 2.183)	F-5
	☐ 50 PSF (Ss 2.183)	F-5
	☐ 50 PSF + 20 PSF (Ss 3.08)	F-5A
	☐ 50 PSF (Ss 3.08)	F-5A
	☐ 100 PSF (Ss 2.183)	F-5B
	☐ 125 PSF (Ss 2.183)	F-5B
	☐ 100 PSF (Ss 3.08)	F-5C
	☐ 125 PSF (Ss 3.08)	F-5C
ALL	REFERENCE DETAILS	F-6
ALL	DSA FORM 103	F-7
ALL	GENERAL SPECIFICATIONS	F-7A
ALL	ADJACENT BLDGS DETAILS	F-8
ALL	ADJACENT BLDGS DETAILS	F-9

A		
A		
BB C B		E
C B B A	D	
AD	C	C E C C AA
AD	C	E C
AD	E C C I B A	B A
A A	E	
	E	
A A		
A	AD	C AA A
A A	B A	
A A C B C		AA
E A B		B
A C		FG
CC AB A C B ABA		
A		B A
A AB A C B B		
E CC C B C		E
C A		E
		1.03
A B		
C B C B ABA		E
C A	E	1.222
	2.36	1.75
RESPONSE COEFFICIENT C (USING REDUCED Sd AS ALLOWED BY ASCE7 SEC. 12 .1.3)	0.493	0.349
5. SEISMIC DESIGN CATEGORY:		E
6. BASIC SEISMIC-FORCE-RESISTANCE-SYSTEM		LIGHT MODULAR STEEL MOMENT FRAME
7. DESIGN BASE SHEAR: IN EACH DIRECTION (LONGITUDINAL & TRANSVERSE).		
OPTION	3.08	2.183
24'X40'	27085#	19174#
36'X40'	38681#	27383#
48'X40'	55009#	38941#
8. SEISMIC RESPONSE COEFFICIENT (Cs)		
OPTION	3.08	2.183
Cs	0.493	0.349
9. RESPONSE MODIFICATION FACTOR (R)		3.5
10. ANALYSIS PROCEDURE USED:		EQUIVALENT LATERAL FORCE
		NO HORIZONTAL OR VERTICAL IRREGULARITIES PRESENT
11. FLOOD DESIGN DATA:		PROJECT IS NOT LOCATED IN FLOOD ZONE

SITE SPECIFIC APPROVAL		APPROVAL – PC ENGINEER OF RECORD
	PRE–CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	REGISTERED PROFESSIONAL ENGINEER MANNY D. FRANCO No. S3380 Exp. 03/31/24 STRUCTURAL STATE OF CALIFORNIA 10 06 23

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DATE: 11/01/2023

PC 04–122274

COVER SHEET

DRAWN

CHECKED

DATE
18 MAY 2023

SCALE

JOB NO.

F — 1

OF 19 SHEETS

APPROVED A NUMBERS APPLICABLE TO THIS PC PLAN

MANUFACTURER OF MODULAR BUILDING	DSA A NUMBER OF MODULAR BUILDING	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
MB	A04106168	PC 04-104778	2004	48 X 40	50
MB	A04106292	PC 04-104778	2004	48 X 40	50
MB	A04106743	PC 04-104778	2005	24 X 40	50
MB	A04107176	PC 04-104778	2005	48 X 40	50
MB	A04107310	PC 04-104778	2006	24 X 40	50
MB	A101926	04-101244	2000	36 X 40	50
MB	A52938	PC57	1990	24 X 40	50
MB	A04103266	04-101244	2001	48 X 40	50
MB	A04107251	04-104778	2005	36 X 40	50
MB	A04107207	04-104778	2006	36 X 40	50
MT	A54198	PC 121	1990	24 X 40	50
MT	A60811	PC 243	1994	24 X 40	50
MT	A61172	PC 243	1994	24 X 40	50
MT	A65965	PC 266	1997	24 X 40	50
MT	A69746	PC 282	1998	24 X 40	50
MT	A04100727	PC 300	1999	36 X 40	50
MT	A04101194	PC 270	1999	24 X 40	50
MT	A04101767	PC 04-101419	2001	24 X 40	50
MT	A04101891	PC 04-101419	2000	48 X 40	50
MT	A04103044	PC 04-101419	2001	24 X 40	50
MT	A04103205	PC 04-101268	2001	36 X 40	50+20
MT	A04102365	PC 04-101768	2001	24 X 40	50
MT	A04105219	PC 04-101419	2003	24 X 40	50
MT	A04105400	PC 04-104801	2003	48 X 40	50+20
MT	A04105434	PC 04-104796	2003	24 X 40	50
MT	A04105483	PC 04-104796	2004	24 X 40	50
MT	A04106558	PC 04-104801	2004	36 X 40	50+20
MT	A04100726	282	1998	36 X 40	50
MT	A64873	243	1996	36 X 40	50
MT	A02105794	04-104801	2004	36 X 40	50
MT	A04103205	04-101268	2001	36 X 40	50
MT	A54130	79	1991	24 X 40	50
SI	A04108525	PC 04-107557	2007	48 X 40	50
SI	A04108870	PC 04-107557	2008	24 X 40	50
SI	A04108943	PC 04-107557	2007	36 X 40	50 + 20
SI	A04109410	PC 04-107557	2008	48 X 40	50 + 20
SI	A04109518	PC 04-107557	2008	48 X 40	50 + 20
SI	A04109520	PC 04-107557	2008	24 X 40	50 + 20
SI	A04109615	PC 04-107557	2008	48 X 40	50 + 20
SI	A04109640	PC 04-107557	2008	24 X 40	50+20
SI	A04110549	04-109299	2009	24 X 40	50
SI	A04109641	04-107557	2008	36 X 40	50
SI	A04110811	04-109299	2010	36 X 40	50
SI	A04110041	04-107557	2009	24 X 40	50
SI	A04110433	04-109295	2009	24 X 40	50
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SI	A04109754	04-107557	2008	36 X 40	50
SI	A04110142	04-109299	2009	24 X 40	50
SI	A04108944	04-107557	2007	48 X 40	50
WS	A04107179	PC 04-105135	2005	24 X 40	50 + 20
GD	A66762	269	1997	24 X 40	50
KS	A68188	PC 266	1997	24 X 40	50
AM	A59780	PC 237	1993	24 X 40	50
AM	A64301	PC 237	1995	24 X 40	50
AM	A65821	PC 264	1996	24 X 40	50
AM	A65821	PC 264	1997	24 X 40	50
AM	A69217	PC 328	1998	24 X 40	50
AM	A02101284	PC 387	1999	24 X 40	50
AM	A02102021	PC 02-101488	2003	24 X 40	50
AM	A02102043	PC 02-101488	2001	24 X 40	50
AM	A02102350	PC 02-101488	2001	24 X 40	50
AM	A02102259	PC 02-101488	2000	24 X 40	50
EN	A02116418	PC 02-113902	2017	24 X 40	65
AM	A68218		1997	24 X 40	50
AM	A02-117941	PC 02-115700	2019	24 X 40	50+15
AM	A02-117120	PC 02-115700	2018	24 X 40	50+15
EN	A02-116418	PC 02-113902	2017	24 X 40	65
EN	A02-117835	PC 02-116094	2019	24 X 40	65
SC	A02-117709	PC 02-104027	2018	24 X 40	50+15
SC	A02-116779	PC 02-104027	2017	24 X 40	50+15
SC	A02-116830	PC 02-104027	2017	24 X 40	50+15

APPROVED A NUMBERS APPLICABLE TO THIS PC PLAN

MANUFACTURER OF MODULAR BUILDING	DSA A NUMBER OF MODULAR BUILDING	BASED ON PC	YEAR OF APPROVAL OF MODULAR BUILDING	MODULAR BUILDING SIZE	DESIGN FLOOR LIVE LOAD
AM	A02103141	PC 02-101837	2001	24 X 40	50
AM	A02105185	PC 02-101837	2003	24 X 40	50
AM	A02105619	PC 02-104915	2003	24 X 40	50
AM	A02105634	PC 02-104915	2003	36 X 40	50
AM	A02106165	PC 02-104915	2004	24 X 40	50
AM	A02106184	PC 02-104917	2004	48 X 40	50
AM	A02106185	PC 02-104925	2004	36 X 40	50
AM	A02106215	PC 02-104925	2004	36 X 40	50
AM	A02106239	PC 02-104925	2004	24 X 40	50
AM	A02106374	PC 02-104915	2004	24 X 40	50
AM	A02106845	PC 02-104915	2005	24 X 40	50
AM	A02107161	PC 02-104915	2005	24 X 40	70 50+20
AM	A02107390	PC 02-104915	2005	24 X 40	50
AM	A02108179	PC 02-104917	2006	48 X 40	50
AM	A02105619	02-104920	2003	24 X 40	50
AM	A02106214	02-104915	2004	24 X 40	50
AM	A02106499	02-101285	2004	48 X 40	50
AM	A02101583	388	1999	48 X 40	50
AU	A65301	PC 253	1996	24 X 40	50
AU	A65601	PC 253	1996	24 X 40	50
AU	A67426	PC 272	1997	36 X 40	50
AU	A03107543	PC 04-104816	2004	24 X 40	50
AU	A04101310	PC 04-100335	2000	24 X 40	50
AU	A04105339	PC 04-104816	2003	24 X 40	50
AU	A04106096	PC 04-104816	2004	24 X 40	50
AU	A04106097	PC 04-104816	2004	24 X 40	50 + 20
AU	A64839	A64839 STOCKPILE	2000	24 X 40	50
AU	A59725	A59725 STOCKPILE	1991	48 X 40	50
AU	A04105948	104816	2004	36 X 40	50
AU	A67425	A67425 STOCKPILE	1999	48 X 40	50
EN	A01100789	PC 271	1999	24 X 40	50
EN	A02101478	PC 271	1999	24 X 40	50
EN	A01102792	PC 02-101236	2000	24 X 40	50
EN	A02102108	PC 02-101236	2000	24 X 40	50
EN	A02102873	PC 02-101236	2002	24 X 40	50
EN	A02103726	PC 02-101236	2002	24 X 40	50
EN	A02104123	PC 02-101236	2003	24 X 40	50
EN	A02105136	PC 02-101236	2003	24 X 40	50
EN	A02105898	PC 02-104899	2003	48 X 40	50
EN	A02105944	PC 02-104899	2004	36 X 40	50
EN	A02105945	PC 02-104899	2004	24 X 40	50+20
EN	A02107272	PC 02-104899	2005	48 X 40	50
EN	A02107937	PC 02-104899	2006	48 X 40	50+20
EN	A02108109	PC 02-104899	2006	36 X 40	50
EN	A02108288	PC 02-104899	2006	24 X 40	50
EN	A02107484	PC 02-104899	2005	24 X 40	50
EN	A02109360	PC 02-104899	2008	24 X 40	50
EN	A02107401	02-104899	2005	36 X 40	50
EN	A01102793	02-101236	2000	48 X 40	50
EN	A02103384	02-101236	2001	48 X 40	50
MB	A52144	PC 307	1989	24 X 40	50
MB	A52350	PC 57	1990	24 X 40	50
MB	A53703	PC 57	1990	24 X 40	50
MB	A53982	PC 57	1990	24 X 40	50
MB	A54553	PC 57	1990	24 X 40	50
MB	A65714	PC 253	1996	24 X 40	50
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MB	A04104262	PC 04-101244	2002	24 X 40	50
MB	A04104623	PC 04-101244	2003	48 X 40	50
MB	A04104624	PC 04-101244	2003	24 X 40	50
MB	A04105648	PC 04-104778	2003	48 X 40	50
MB	A04105913	PC 04-104778	2005	24 X 40	50
MB	A04107230	PC 04-104778	2005	24 X 40	50
MB	A04106102	PC 04-104778	2004	24 X 40	50

DSA PC STAMP

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

LEGEND:

AM = AMERICAN MODULAR SYSTEMS, INC.

AU = AURORA MODULAR INDUSTRIES, INC.

EN = ENVIRONOPLEX, INC.

MB = MODULAR STRUCTURES INTERNATIONAL, INC.

MT = MODTECH, INC.

SI = SILVER CREEK INDUSTRIES, INC.

WS = WALDEN STRUCTURES & CONSTRUCTION

GD = GARY DOUPNIK MANUFACTURING, INC.

KC = KARSTON COMPANY

NOTES:

1. ONLY THOSE BUILDINGS BUILT WITH 50# OR 50#+20# PARTITION LOADS AS NOTED IN TABLE WILL BE A PART OF THIS PC.
2. ONLY THOSE BUILDINGS MANUFACTURED BY THE SAME MANUFACTURER AND WITH PLANS AND DETAILS SHOWN ON PLAN SHEETS F-8 AND F-9 MAY BE PLACED ADJACENT TO EACH OTHER.

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122274 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 11/01/2023

PC 04-122274

A-NUMBERS

SITE SPECIFIC APPROVAL

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION
FOR CONSTRUCTION IS REQUIRED

APPROVAL - PC ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER
SHAWN D. FRANCIS
No. 53388
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA
10 06 23

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DATE
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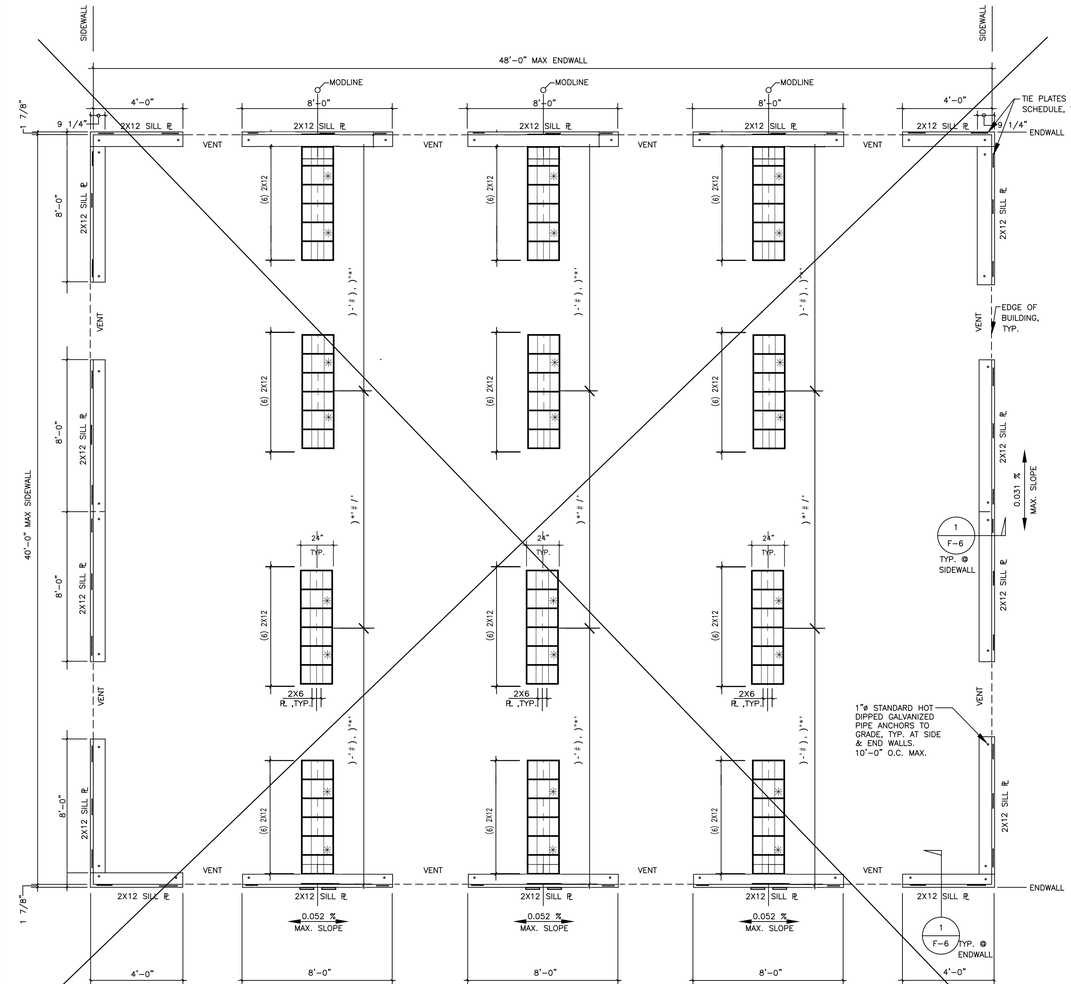
JOB NO.

F — 2

OF 19 SHEETS

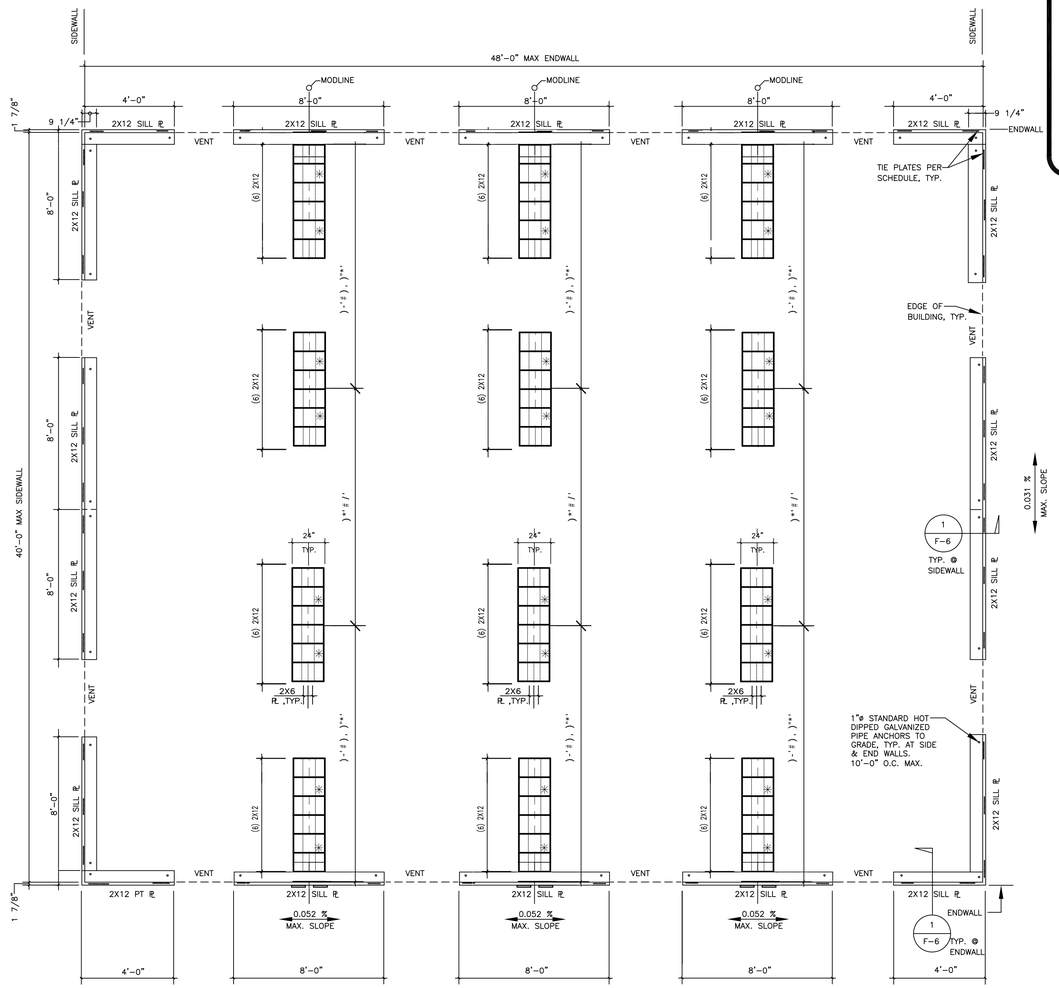
MOBILE MODULAR MANAGEMENT PC - 113193 SHEET_F-2A.DWG

S_S=2.183 (MAPPED VALUE)



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD + 20 PSF PARTITIONS

1/4" = 1'-0"



FOUNDATION PLAN – 50 PSF FLOOR LIVE LOAD

1/4" = 1'-0"

NOTES:

1. SEE SHEET F–1 FOR GENERAL NOTES.
2. SEE SHEET F–7 FOR TYPICAL NOTES.
3. UNDER FLOOR VENTILATION: (@24'X40' BLDG.)*
   REQUIRED VENT. AREA = 24' X 40'/150 = 6.4 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.25' X (4X4 + 4X 3.385) = 7.38 SQ. FT. (OK)
4. UNDERFLOOR VENTILATION: (@36'X40' BLDG.)*
   REQUIRED VENT. AREA = 36'X40'/150 = 9.6 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (6X4 + 4X3.387) = 14.08 SQ. FT. (OK)
5. UNDERFLOOR VENTILATION: (@48'X40' BLDG.)*
   REQUIRED VENT. AREA = 48'X40'/150 = 12.8 SQ. FT.
   MIN. VENT. AREA PROVIDED = 0.375' X (8X4 + 4X3.385) = 17.08 SQ. FT. (OK)
6. PROVIDE 2–2X PLATES OR BLOCKS @ 24'X40' BUILDING (MIN. HEIGHT = 3")
   PROVIDE 3–2X PLATES OR BLOCKS @ 36' & 48'X40' BUILDINGS (MIN. HEIGHT = 4 1/2")
7. ALLOWABLE SOIL BEARING = 1000 PSF, PER DSA I.R.16–1.
8. ALL NAILS FOR PLATE TO PLATE NAILING SHALL BE 16d GALV. BOX.
   ALL NAILS FOR PLYWOOD SKIRTING SHALL BE 8d GALV. BOX.
   ALL FOUNDATION NAILS SHALL BE HOT DIPPED GALVANIZED
   WITH A MIN. OF 1 OZ. OF ZINC PER SQ. FT.
9. UNDERFLOOR DRAINAGE SHALL BE PROVIDED TO PREVENT WATER FROM PONDING BENEATH THE STRUCTURE. UNDERFLOOR DRAINAGE SHALL BE NOTED AND DETAILED ON THE PROJECT SPECIFIC SITE PLANS.
10. HEIGHT OF BUILT UP PLATES WITH SILL PLATE IS NOT TO EXCEED 18" MAX.
11. ALL 2X PLATES AT EXTERIOR FOUNDATIONS AND 2X6 PLATES AT MODLINES TO BE 4' OR 8' LONG WITH NO SPLICES. IF SHORTER PIECES OF 2X PLATES ARE TO BE USED, SPLICE PLATES PER DETAIL 9/F–6.

* NOTE: UNDER FLOOR VENTILATION CALCULATION BASED ON 3" OR 4 1/2" HIGH VENTS. CALCULATIONS CAN VARY BASED ON ACTUAL SITE GRADE ELEVATIONS AND VENT HEIGHTS, MIN. VENT HEIGHT = 1 1/2" AND MAX. VENT HEIGHT = 16 1/2". PROVIDE NOTED REQUIRED VENT. AREA FOR EACH SIZE BUILDING.

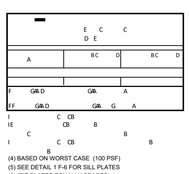
SYMBOLS LEGEND
* LAG SCREWS

Note: Lags are equally spaces.
Total number are based on Table 3 page F-3

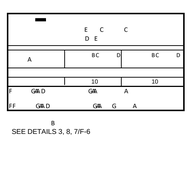
TABLE 3

* NUMBER OF LAGS AT MODLINE

NUMBER OF LAGS PER MODELINE
1/2" x 3"
8



(4) BASED ON WORST CASE (100 PSF)
(5) SEE DETAIL 1 F-6 FOR SILL PLATES
(6) (TIE PLATES EQUALLY SPACED)



SEE DETAILS 3, 8, 7/F-6

2X NAILER TO CHANNEL WEB SCHEDULE

E	C	C
	F	
A	SPACING OF SCREW OF 2X NAILER PER ENDWALL	SPACING OF SCREW OF 2X NAILER PER SIDEWALL
	B	B
F	GR D	GR A
FF	GR D	GR G A

(1) SEE DETAIL F-6 FOR 2X NAILER
(2) SEE 3 F-6 FOR ADDITIONAL NOTES

(3) 0.131x3" NAIL SCHEDULE (PLATE TO PLATE)

E	C	C
	F	
A	SPACING OF NAILS PER ENDWALL	SPACING OF NAILS PER SIDEWALL
	B	B
F	GR D	GR A
FF	GR D	GR G A

(1) SEE DETAIL 11 F-6 FOR TYP PLATE TO PLATE FOR WILDLAND URBAN INTERFACE (WUI)
(2) SEE DETAIL F-6 FOR PLATE TO PLATE APPLICABLE TO AMERICAN MODULAR SYSTEMS INC.
NOTE BASED ON WORST CASE (100 PSF)

SITE SPECIFIC APPROVAL		APPROVAL – PC ENGINEER OF RECORD
	PRE–CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	REGISTERED PROFESSIONAL ENGINEER MANMANT D. PATEL 53388 Exp. 03/31/24 STRUCTURAL STATE OF CALIFORNIA 10 06 23

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MIRA LOMA, CA 91752

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SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 11/01/2023

PC 04–122274

FOUNDATION PLANS (4 X40)

DRAWN

CHECKED

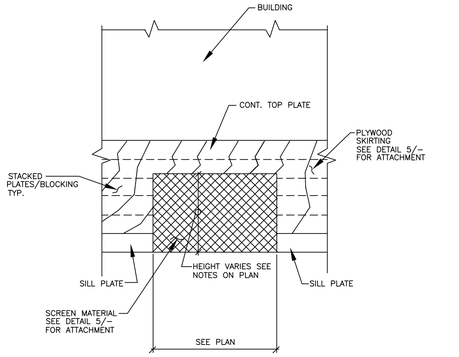
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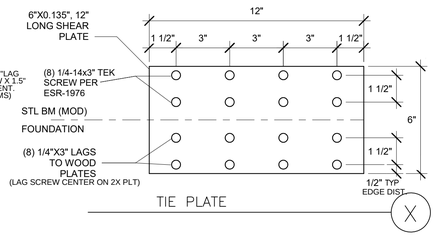
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OF 19 SHEETS



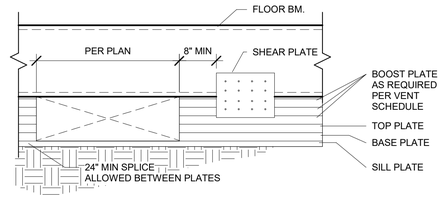
10 SCREEN DETAIL

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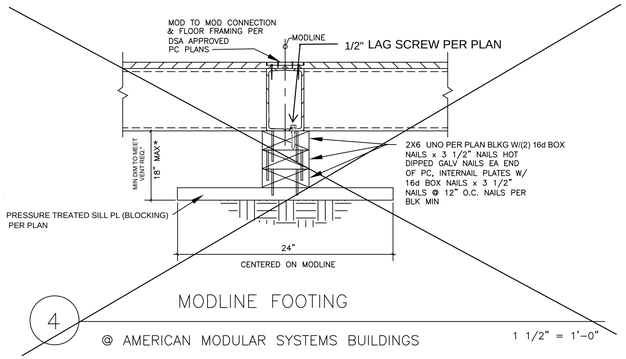


TIE PLATE

X

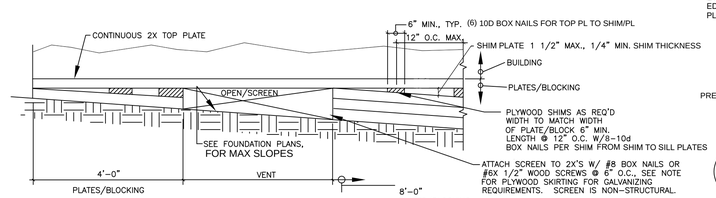


7 TYPICAL ELEVATION FOUNDATION TIE PLATES



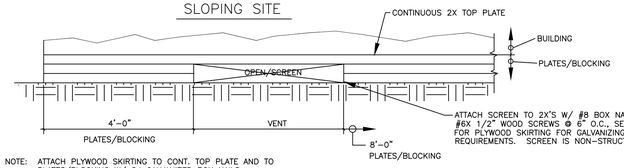
4 MODLINE FOOTING

@ AMERICAN MODULAR SYSTEMS BUILDINGS 1 1/2" = 1'–0"



NOTE: ATTACH PLYWOOD SKIRTING TO CONT. TOP PLATE AND TO PLATES/BLOCKING W/ 8d GALVANIZED BOX NAILS (ELECTRO PLATED, TUMBLE COATED OR HOT DIPPED) @ 6" O.C. FN. SKIRTING IS NON–STRUCTURAL.

SLOPING SITE

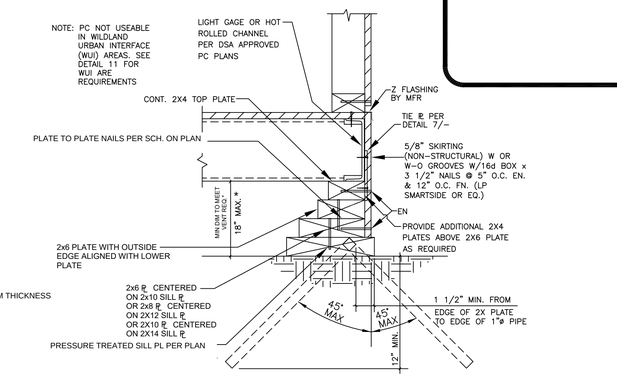


NOTE: ATTACH PLYWOOD SKIRTING TO CONT. TOP PLATE AND TO PLATES/BLOCKING W/ 8d GALVANIZED BOX NAILS (ELECTRO PLATED, TUMBLE COATED OR HOT DIPPED) @ 6" O.C. FN. SKIRTING IS NON–STRUCTURAL.

LEVEL SITE

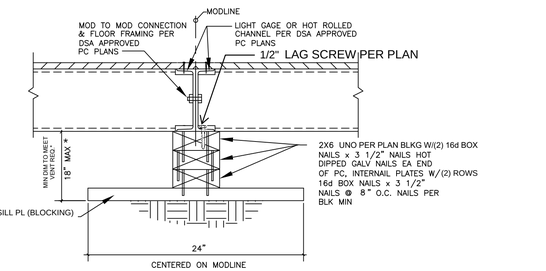
5 PLATE LAYUP @ PERIMETER FTG'S

NTS



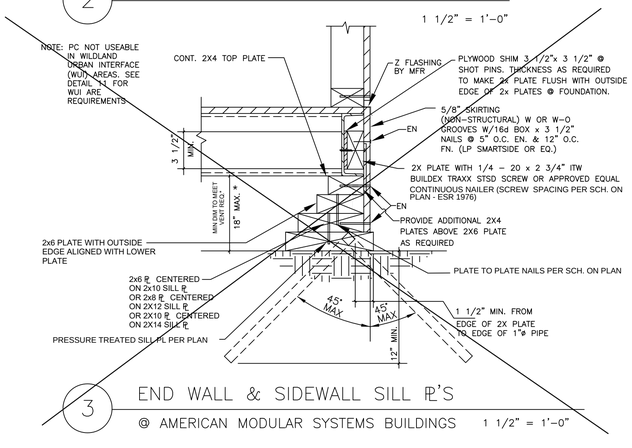
1 END WALL & SIDEWALL SILL ℄'S NOTE: SEE SCHEDULE FOR PLATES

1 1/2" = 1'–0"



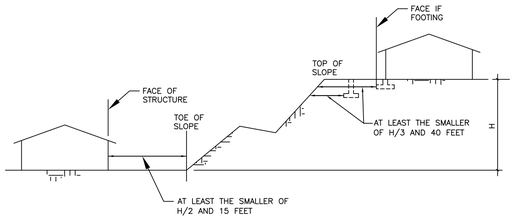
2 MODLINE FOOTING

1 1/2" = 1'–0"



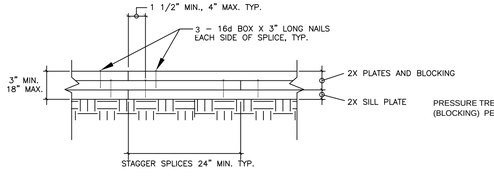
3 END WALL & SIDEWALL SILL ℄'S

@ AMERICAN MODULAR SYSTEMS BUILDINGS 1 1/2" = 1'–0"



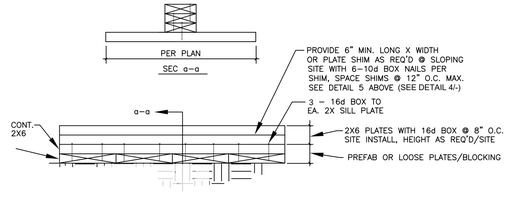
12 FOUNDATION CLEARANCES FROM SLOPES

2019 CBC 1808A.7



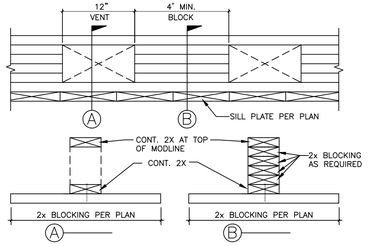
9 TYPICAL 2X PLATE SPLICE

NTS



6 PLATE LAYUP @ MODLINE FTG'S

NTS



13 PLATE LAYUP @ MODLINE FTG'S

NTS

SITE SPECIFIC APPROVAL		APPROVAL – PC ENGINEER OF RECORD
	PRE–CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	REGISTERED PROFESSIONAL ENGINEER MANNY D. FAJARDO No. S3380 Exp. 03/31/24 STRUCTURAL STATE OF CALIFORNIA 10/06/23

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APP: 04-123455 INC:
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DATE: 11/07/2024

PRE–CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122274 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 11/01/2023

PC 04–122274

DETAILS

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OF 19 SHEETS

GENERAL SPECIFICATIONS

SECTION 1A

1. GENERAL

A. THE REQUIREMENTS OF THE GENERAL CONDITIONS OF THE AGREEMENT AND THIS GENERAL REQUIREMENTS APPLY TO THE SEVERAL TRADE SECTIONS WITH THE SAME FORCE AS THOUGH FULLY REPEATED IN EACH SECTION.

B. NAME BRANDS ARE INDICATED TO ESTABLISH A STANDARD OF QUALITY. ITEMS OF EQUAL OR BETTER QUALITY MAY BE SUBSTITUTED FOR THE LISTED BRAND NAMED PRODUCTS.

2. SCOPE OF WORK

A. THE WORK CONSISTS OF MANUFACTURING OFF-SITE IN A PLANT, AND INSTALLING ON-SITE, MODULAR RELOCATABLE BUILDING AS DEFINED HEREIN AND SHOWN AND DETAILED ON DRAWINGS.

B. ALL REQUIREMENTS OF TITLE 19 AND 24 OF THE STATE OF CALIFORNIA CODE OF REGULATIONS (CCR) RELATING TO INSPECTIONS AND VERIFIED REPORTS SHALL BE COMPLIED WITH AND SHALL INCLUDE:

1. GENERAL RESPONSIBLE CHARGE OF FIELD ADMINISTRATION BY THE ARCHITECT OF RECORD.

2. INSPECTION DURING THE COURSE OF CONSTRUCTION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND THE DISTRICT ARCHITECT. THE INSPECTOR SHALL BE RESPONSIBLE FOR AND APPROVED TO INSPECT THE GENERAL CONSTRUCTION, WELDING, MECHANICAL AND ELECTRICAL WORK. COST OF THESE INSPECTIONS SHALL BE BORNE BY THE SCHOOL DISTRICT.

3. ON SITE INSPECTION OF THE BUILDING INSTALLATION ELECTRICAL AND UTILITY OF THE BUILDING INSTALLATION BY AN INSPECTOR APPROVED BY THE DIVISION OF THE STATE ARCHITECT AND RETAINED BY THE SCHOOL DISTRICT.

4. OTHER SPECIAL TESTS OR INSPECTIONS AS MAY BE REQUIRED BY THE DIVISION OF THE STATE ARCHITECT. COST OF THESE INSPETIONS/TESTS SHALL BE BORNE BY THE SCHOOL DISTRICT.

3. WORK NOT INCLUDED

A. ALL ON-SITE OR OFF-SITE UTILITIES AND THE CONNECTION OF THEM TO THE BUILDING UNLESS INDICATED ON THE DRAWINGS.

B. ALL LEVELING, GRADING OR OTHER SITE PREPARATION EXCEPT CONCRETE OR WOOD LEVELING STRIPS, WHERE REQUIRED, UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

C. FIRE ALARM SYSTEM, FIRE EXTINGUISHER, PROGRAM BELL, CLOCK, PUBLIC ADDRESS SYSTEM, INTERCOM SYSTEM, TV SYSTEM UNLESS OTHERWISE INDICATED ON THE DRAWINGS.

4. WHEELS AND HITCH

SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

5. ACCESSIBILITY OF SITE

THE SCHOOL DISTRICT SHALL PROVIDE ACCESS TO THE SITE FOR THE INSTALLATION OF THE BUILDING. REMOVAL OF TREES, SHRUBS, FENCING, SPRINKLERS, ETC. NECESSARY FOR MOVE-IN AND REMOVAL OF BUILDINGS SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

SECTION 2A SITE ASSEMBLY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO PREPARE THE BUILDING ELEMENTS, TRANSPORT THEM FROM THE PLANT TO THE SITE AND TO COMPLETE THE ASSEMBLY AT THE SITE.

THE CONDITION OF THE SITE, SUCH AS DRAINAGE AND SOIL BEARING CAPACITY, SHALL BE THE RESPONSIBILITY OF THE SCHOOL DISTRICT.

2. ASSEMBLY OF ELEMENTS

A. THE ELEMENTS SHALL BE BROUGHT TO THE SITE ON WHEEL ASSEMBLY AND TRANSFERRED TO THE PREPARED SITE. GREAT CARE SHALL BE TAKEN TO AVOID DAMAGE TO THE ELEMENTS BY RACKING OR BUMPING.
B. CONNECTION OF THE ELEMENTS TOGETHER SHALL BE DONE ACCORDING TO INSTRUCTIONS ON THE DRAWINGS. FLASHING, TRIM AND OTHER LOOSE ITEMS SHALL BE INSTALLED PER PLANS AND DETAILS OF THE ORIGINAL MANUFACTURER'S DRAWINGS.

SECTION 3A CARPENTRY

1. SCOPE OF WORK

CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS AND SERVICES TO INSTALL CARPENTRY.

2. WORKMANSHIP

A. FRAMING- SECURELY NAILED, BRIDGED AND BLOCKED TO FORM RIGID STRUCTURE. WORK CUT, FITTED AND ASSEMBLED LEVEL, PLUMB AND TRUE TO LINE. TRIM IN AS LONG LENGTHS AS POSSIBLE WITH ALL STANDING TRIM IN ONE PIECE. TRIM SEALED AT ALL EDGES.
B. NAILING- IN ACCORDANCE WITH TITLE 24 CCR- TABLE 2304.10.1. NAILS SHALL BE CORROSION RESISTANT BOX NAILS.
C. MACHINE APPLIED NAILING- SHALL HAVE PRIOR DEMONSTRATION AND APPROVAL BY DSA FIELD INSPECTOR AND THE ARCHITECT. THE APPROVAL IS SUBJECT TO CONTINUES SATISFACTORY PERFORMANCE. PLYWOOD SHALL HAVE A MINIMUM THICKNESS OF 3/8". IF NAILHEADS PENETRATE THE OUTER PLY MORE THAN WOULD BE NORMAL FOR A HAND HAMMER OR IF MINIMUM ALLOWABLE EDGE DISTANCES ARE NOT MAINTAINED, THE PERFORMANCE WILL BE DEEMED UNSATISFACTORY.
D. TRIM SEALED AT ALL EDGES. SEALANT PAINTED TO MATCH TRIM OR SIDING.

SECTION 4A MATERIAL SPECIFICATIONS

1. STRUCTURAL FRAMING SHALL BE HEM FIR – GRADED IN ACCORDANCE WITH THE STANDARD GRADING RULES OF THE WESTERN WOOD PRODUCTS ASSOCIATION OR STANDARD GRADING RULES NO. 16 OF THE WEST COAST LUMBER INSPECTION BUREAU, LATEST EDITIONS. GRADES SHALL BE AS FOLLOWS UNLESS NOTED OTHERWISE ON THE DRAWINGS. (HEM FIR SOUTH IS NOT ALLOWED.) EACH PIECE SHALL BE GRADE MARKED AND NO PIECE MAY FALL BELOW GRADES INDICATED.
   ALL FRAMING EXCEPT AS NOTED HEM FIR NO. 2.
2. PLYWOOD SHALL BE AS SHOWN ON THESE DRAWINGS WITH EXTERIOR GLUE IN ACCORDANCE WITH U.S. PRODUCT STANDARD DOC PS 1-07 OR DOC PS-04.
   ALL PANELS SHALL BE MARKED WITH AN APA GRADE MARK WITH AN IDENTIFICATION INDEX AS SHOWN ON DRAWINGS. USE 4'x8' PANELS, MINIMUM, EXCEPT AT BOUNDARIES AND FRAMING CHANGES WHERE MINIMUM PANEL DIMENSION SHALL BE 24" AT ROOFS AND FLOORS AND 12" AT WALLS.
3. BOLTS FOR TIMBER CONNECTIONS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1-2012 AND 2018 EDITION OF THE NDS. BOLTS SHALL BE INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF OF THE LATEST EDITION OF THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). BOLT HOLES SHALL BE 1/32 TO 1/16 INCH LARGER THAN BOLT DIAMETER. RE-TIGHTEN BOLTS BEFORE CLOSING IN WORK. BOLTS SHALL BE FULL BODY STEEL BOLTS WITH MINIMUM YIELD STRENGTH OF 45,000 PSI
4. LAG SCREWS SHALL BE STEEL AND CONFORM TO ANSI/ASME STANDARD B18.2.1 AND THE REQUIREMENTS OF THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION (NDS). HOLES FOR LAG SCREW SHANKS SHALL BE BORED THE SAME DEPTH AND DIAMETER AS THE SHANK. THE REMAINING DEPTH OF PENETRATION OF THE SCREW SHALL BE BORED TO 70% OF THE SHANK DIAMETER. ONE QUARTER INCH (1/4") DIAMETER LAG SCREWS NEED NOT HAVE PRE-DRILLED HOLES IF IT CAN BE SHOWN THAT THE WOOD MEMBERS ARE NOT DAMAGED DURING INSTALLATION. PROVIDE FULL DIAMETER BODY LAG SCREWS WITH BENDING YIELD STRENGTHS PER TABLE 12J AND 12K IN NDS.
5. PROVIDE MALLEABLE IRON WASHERS OR EQUIVALENT CUT PLATE WASHERS (NOT LESS THAN A STANDARD CUT WASHER) UNDER NUTS AND BOLT OR LAG SCREW HEADS WHICH BEAR ON WOOD.
6. WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1 AND THE REQUIREMENTS OF THE 2018 NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION BY THE NATIONAL FOREST PRODUCTS ASSOCIATION (NDS). GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER OR USED IN FOUNDATIONS. SCREWS SHALL BE STEEL WITH CUT THREADS AND BENDING YIELD STRENGTHS PER TABLES 12L AND 12M IN NDS.
7. WOOD MEMBERS SHALL BE CUT OR NOTCHED ONLY AS SHOWN ON STRUCTURAL DRAWINGS.
8. WHEN REQUIRED NAILING TENDS TO SPLIT WOOD MEMBERS, NAIL HOLES SHALL BE PRE-BORED TO 3/4 OF THE NAIL DIAMETER.
9. STRUCTURAL NAILING SHALL BE WITH BOX NAILS PER ALL REQUIREMENTS OF 2018 NDS. NAILING NOT SPECIFICALLY INDICATED SHALL COMPLY WITH CCR TITLE 24, PART 2, TABLE 2304.9.1. ALL NAILS SHALL BE GALVANIZED OR OTHER CORROSION RESISTANT COATING WHERE EXPOSED TO WEATHER, IN FOUNDATIONS AND AS NOTED ON PLANS, PER THE REQUIREMENTS OF CCR TITLE 24, PART 2, WITH MINIMUM BENDING YIELDS PER TABLE 12N, 12P, 12Q AND 12R IN NDS. (SEE NAIL EQUIVALENCE BELOW.)
10. NAIL EQUIVALENCE: (PROVIDE MINIMUM NAIL LENGTHS AS REQUIRED FOR SPECIFIED PENETRATION, TYP. U.O.N.)
    6d EQUALS .113" DIA. – PROVIDE 1.36" MIN POINT PENETRATION
    8d EQUALS .131" DIA. – PROVIDE *1.57" MIN POINT PENETRATION
    10d EQUALS .148" DIA. – PROVIDE *1.78" MIN POINT PENETRATION
    16d EQUALS .162" DIA. – PROVIDE *1.94" MIN POINT PENETRATION
    * 1 1/2" AT 2x MEMBERS
11. PRESSURE PRESERVATIVE TREATMENT SHALL BE PER SECTION 2303.1.9, CCR TITLE 24, PART 2. PROVIDE QUALITY MARK ON ALL TREATED FOUNDATION MEMBERS. PRESSURE TREATED WOOD AND IDENTIFICATION MUST COMPLY WITH CBC 2303.1.9.1. ALL FOUNDATION MEMBERS SHALL BE MARKED AS "FOR GROUND CONTACT (UC4A)" OR "FOR ABOVE GROUND USE (UC3A OR UC3B)" AS APPROPRIATE. TREAT ALL CUT ENDS OF PRESSURE TREATED MEMBERS WITH AN APPROVED PRESERVATIVE. (WILLARD W/B COPPER GREEN 2% OR AN APPROVED EQUIVALENT). WHERE NOTED, MEMBERS BELOW THE SUB FLOOR THAT ARE NOT A PART OF THE FOUNDATION SHALL BE PRESSURE TREATED PER AWPA STANDARD UI.
12. ONLY MATERIAL IN CONTACT WITH GROUND NEEDS TO BE PRESSURE TREATED, ALL OTHER FOUNDATION LUMBER CAN BE DF OR HF#2 OR EQUAL.
13. IF MACHINE NAILING IS UTILIZED FOR THIS PROJECT, CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF CCR TITLE 24, PART 2. MACHINE NAILING IS SUBJECT TO APPROVAL BY THE STRUCTURAL ENGINEER OR ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT.
14. FASTENERS FOR PRESSURE-PRESERVATIVE TREATED AND FIRE-RETARDANT TREATED WOOD SHALL COMPLY WITH SEC. 2304.10 OF CBC.
15. NAILS AND SPIKES USED IN WET OR EXTERIOR LOCATIONS SHALL COMPLY WITH SEC. 2304.10.5.1 OF CBC.
16. SHIM MATERIAL SHALL BE PLYWOOD CD EXP 1 OR EQUAL (NOT P.T.).
17. USED LUMBER IN GOOD CONDITION IS ACCEPTABLE FOR USE IN FOUNDATION SYSTEM.

SITE INSTALLATION REQUIREMENTS CLAUSE:

SITE INSTALLATION REQUIREMENTS FOR DSA CLASSROOM BUILDINGS. IN THE CASE OF EQUIPMENT LOCATED IN THE STATE OF CALIFORNIA, THE LESSEE IS RESPONSIBLE FOR THE SITE BEING CLEARED (FREE OF GRASS, SHRUBS, TREES, ETC.) AND GRADED TO WITHIN 4 1/2" OF LEVEL GRADE FOR EACH BUILDING. IF THE SITE EXCEEDS THE 4 1/2" REQUIREMENT ADDITIONAL COSTS MAY BE CHARGED TO LESSEE. UNDER NO CIRCUMSTANCES SHOULD THE SITE BE GREATER THAN 9" FROM LEVEL GRADE OR HAVE LESS THAN A 1000 PSF MINIMUM SOIL BEARING PRESSURE. PRIOR TO DELIVERY, THE LESSEE SHALL MARK THE FOUR CORNERS OF THE BUILDING ON THE SITE, INCLUDING THE DOOR LOCATION. SHOULD SPECIAL HANDLING BE REQUIRED TO EITHER PLACE, INSTALL OR REMOVE THE CLASSROOM ON THE LESSEE'S SITE DUE TO SITE OBSTRUCTIONS SUCH AS FENCING, LANDSCAPING, OTHER CLASSROOMS, ETC., ADDITIONAL COSTS WILL BE CHARGED TO LESSEE.

TEST AND INSPECTIONS:

1. PROVIDE ELECTRICAL GROUNDING TEST PER DSA IR E-1
2. NO OTHER TESTS AND INSPECTIONS ARE REQUIRED.

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DATE: 11/07/2024

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122274 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 11/01/2023

PC 04-122274

GENERAL SPECIFICATIONS

SITE SPECIFIC APPROVAL		APPROVAL – PC ENGINEER OF RECORD	
	PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	REGISTERED PROFESSIONAL ENGINEER JIMMY D. FAN No. S5338 Exp. 03/31/24 STRUCTURAL STATE OF CALIFORNIA 10/06/23	

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OF 19 SHEETS

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS, 2022 CBC

Application Number: **School Name:** **School District:**

DSA File Number: **Increment Number:** **Date Created:**

2022 CBC

IMPORTANT: This form is only a summary list of structural tests and some of the special inspections required for the project. Generally, the structural tests and special inspections noted on this form are those that will be performed by the Geotechnical Engineer of Record, Laboratory of Record, or Special Inspector. The actual complete test and inspection program must be performed as detailed on the DSA approved documents. The appendix at the bottom of this form identifies work NOT subject to DSA requirements for special inspection or structural testing. The project inspector is responsible for providing inspection of all facets of construction, including but not limited to, special inspections not listed on this form such as structural wood framing, high-load wood diaphragms, cold-formed steel framing, anchorage of non-structural components, etc., per Title 24, Part 2, Chapter 17A (2022 CBC).

****NOTE:** Undefined section and table references found in this document are from the CBC, or California Building Code.

KEY TO COLUMNS

1. TYPE	2. PERFORMED BY
Continuous – Indicates that a continuous special inspection is required **Periodic** – Indicates that a periodic special inspection is required **Test** – Indicates that a test is required	**GE (Geotechnical Engineer)** – Indicates that the special inspection shall be performed by a registered geotechnical engineer or his or her authorized representative. **LOR (Laboratory of Record)** – Indicates that the test or special inspection shall be performed by a testing laboratory accepted in the DSA Laboratory Evaluation and Acceptance (LEA) Program. See CAC Section 4-335. **PI (Project Inspector) –** Indicates that the special inspection may be performed by a project inspector when specifically approved by DSA. **SI (Special Inspection)** – Indicates that the special inspection shall be performed by an appropriately qualified/approved special inspector.

	SOILS:	
☐	1. Deep foundations acting as a cantilever footing with a design based on minimum allowable pressures per CBC Table 1806A.2 and without a geotechnical report for the following cases: A) free standing sign or scoreboard, B) cell or antenna towers and poles less than 35'-0" tall (e.g., lighting poles, flag poles, poles supporting open mesh fences, etc.), C) single-story structure with dead load less than 5 psf (e.g., open fabric shade structure), or D) covered walkway structure with an apex height less than 10'-0" above adjacent grade.	
☐	2. Shallow foundations, etc. are exempt from special inspections and testing by a Geotechnical Engineer for the following cases: A) buildings without a geotechnical report and meeting the exception item #1 criteria in CBC Section 1803A.2 supported by native soil (any excavation depth) or fill soil (not exceeding 12" depth per CBC Section 1804A.6), B) soil scarification/recompaction not exceeding 12" depth, C) native or fill soil supporting exterior non-structural flatwork (e.g., sidewalks, site concrete ramps, site stairs, parking lots, driveways, etc.), D) unpaved landscaping and playground areas, or E) utility trench backfill.	
	CONCRETE/MASONRY:	
☐	1. Post-installed anchors for the following: A) exempt non-structural components (e.g., mechanical, electrical, plumbing equipment - see item 7 for "Welding" in the Appendix below) given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) or B) interior nonstructural wall partitions meeting criteria listed in exempt item 3 for "Welding" in the Appendix below	
☐	2. Concrete batch plant inspection is not required for items given in CBC Section 1705A.3.3.2 subject to the requirements and limitations in that section.	
☐	3. Non-bearing non-shear masonry walls may be exempt from certain DSA masonry testing and special inspection items as allowed per DSA IR 21-1. Refer to construction documents for specific exemptions accordingly for each applicable wall condition.	
☐	4. Epoxy shear dowels in site flatwork and/or other non-structural concrete.	
☐	5. Testing of reinforcing bars is not required for items given in CBC Section 1910A.2 subject to the requirements and limitations in that section.	
	WELDING:	
☐	1. Solid-clad and open-mesh fences, gates with maximum leaf span of 10', and gates with a maximum rolling section of 10' all having an apex height less than 8'-0" above lowest adjacent grade. When located above circulation or occupied space below, these gates/fences are not located within 1.5x gate/fence height (max 8'-0") to the edge of floor or roof.	
☐	2. Handrails, guardrails, and modular or relocatable ramps associated with walking surfaces less than 30" above adjacent grade (excluding post base connections per the 'Exception' language in Section 1705A.2.1); fillet welds shall not be ground flush.	
☐	3. Non-structural interior cold-formed steel framing spanning less than 15'-0", such as in interior partitions, interior soffits, etc. supporting only self weight and light-weight finishes or adhered tile, masonry, stone, or terra cotta veneer no more than 5/8" thickness and apex less than 20'-0" in height and not over an exit way. Maximum tributary load to a member shall not exceed the equivalent of that occurring from a 10'x10' opening in a 15' tall wall for a header or king stud.	
☐	4. Manufactured support frames and curbs using hot rolled or cold-formed steel (i.e., light gauge) for mechanical, electrical, or plumbing equipment weighing less than 2000# (equipment only) (connections of such frames to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).	
☐	5. Manufactured components (e.g., Tolco, B-Line, Afcon, etc.) for mechanical, electrical, or plumbing hanger support and bracing (connections of such components to superstructure elements using welding will require special inspection as noted in selected item(s) for Sections S/A3, S/A4 and/or S/A5 of listing above).	
☐	6. TV Brackets, projector mounts with a valid listing (see DSA IR A-5) and recreational equipment (e.g., playground structures, basketball backstops, etc.) (connections of such elements to superstructure elements using welding will require special inspection as noted in selected item(s) for sections S/A3, S/A4 and/or S/A5 located in the Steel/Aluminum category of listing above).	
☐	7. Any support for exempt non-structural components given in CBC Section 1617A.1.18 (which replaces ASCE 7-16, Section 13.1.4) meeting the following: A) when supported on a floor/roof, <400# and resulting composite center of mass (including component's center of mass) ≤4' above supporting floor/roof, B) when hung from a wall or roof/floor, <20# for discrete units or <5 plf for distributed systems.	

DSA 103-22: LISTING OF STRUCTURAL TESTS & SPECIAL INSPECTIONS(SIGNATURE), 2022 CBC

Application Number: **School Name:** **School District:**

DSA File Number: **Increment Number:** **Date Created:**

Name of Architect or Engineer in general responsible charge:

Name of Structural Engineer (When structural design has been delegated):

Signature of Architect or Structural Engineer: Date:

Note: To facilitate DSA electronic mark-ups and identification stamp application, DSA recommends against using secured electronic or digital signatures.

DSA STAMP

NOTE:

THE EXAMPLE FORM DSA–103 SHOWN IS FOR ILLUSTRATION PURPOSES ONLY TO ASSIST IN THE COMPLETION OF FUTIRE PROJECT–SPECIFIC FORM DSA–103.

A FORM DSA–103 IS TO BE COMPLETED FOR EACH PROJECT APPLICATION THAT THIS PC IS BEING INCORPORATED INTO AND THE EXAMPLE FORM DSA–103 IS TO BE CROSSED OUT ON THIS DRAWING

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APP: 04-122274 PC
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SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 11/01/2023

PC 04–122274

DSA FORM 103

SITE SPECIFIC APPROVAL

PRE–CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

APPROVAL – PC ENGINEER OF RECORD

RECORDED PROFESSIONAL ENGINEER
JOHNNY D. FRANKLIN
No. 53380
Exp. 03/31/24
STRUCTURAL
STATE OF CALIFORNIA
10/06/23

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18 MAY 2023

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OF 19 SHEETS

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752
(800) 944-3442 FAX (951) 360-6620

PC 04-122275

ALTERATIONS TO EXISTING STOCKPILES FOR ACCESSIBLE RAMPS - HANDRAIL AND UPRIGHT EXTENSION

STATE OF CALIFORNIA-2021 IBC/2022 CBC

APPROVED STOCKPILE A NUMBERS APPLICABLE TO THIS PC PLAN

Manufacturer	A No.	Manufacturer	A No.	Manufacturer	A No.	Manufacturer	A No.
AM	A01101536	AM	A58704	EN	A02108288	MT	A04102029
AM	A01101842	AM	A59780	EN	A02110147	MT	A04102365
AM	A02100277	AM	A61254	EN	A02110148	MT	A04102339
AM	A02100586	AM	A62111	EN	A02110149	MT	A04102365
AM	A02100727	AM	A62118	EN	A02110281	MT	A04103001
AM	A02100728	AM	A64301	EN	A02110718	MT	A04103044
AM	A02100992	AM	A65821	EN	A57820	MT	A04103186
AM	A02101029	AM	A69217	EN	A59785	MT	A04103205
AM	A02101106	AM	A69866	EN	A63749	MT	A04103310
AM	A02101284	AMSI	A68218	EN	A65586	MT	A04103621
AM	A02101285	AU	A03107543	MB	A04101905	MT	A04104812
AM	A02101583	AU	A04101310	MB	A04102291	MT	A04105219
AM	A02102021	AU	A04101502	MB	A04103266	MT	A04105399
AM	A02102043	AU	A04105339	MB	A04103407	MT	A04105400
AM	A02102798	AU	A04105437	MB	A04103554	MT	A04105434
AM	A02103575	AU	A04105454	MB	A04103659	MT	A04105483
AM	A02103576	AU	A04105946	MB	A04104262	MT	A04106558
AM	A02103809	AU	A04106096	MB	A04104492	MT	A04106777
AM	A02103810	AU	A04106097	MB	A04104623	MT	A04107313
AM	A02104419	AU	A04106617	MB	A04104624	MT	A101343
AM	A02104420	AU	A100408	MB	A04105527	MT	A54130
AM	A02104635	AU	A55943	MB	A04105913	MT	A54198
AM	A02104636	AU	A56725	MB	A04106102	MT	A60811
AM	A02105185	AU	A58433	MB	A04106168	MT	A61172
AM	A02105634	AU	A58551	MB	A04106292	MT	A61516
AM	A02105665	AU	A58653	MB	A04106466	MT	A64873
AM	A02105807	AU	A61228	MB	A04106467	MT	A65920
AM	A02105886	AU	A62078	MB	A04106743	MT	A65965
AM	A02106048	AU	A62105	MB	A04107100	MT	A67332
AM	A02106165	AU	A63693	MB	A04107176	MT	A67446
AM	A02106184	AU	A63817	MB	A04107207	MT	A67650
AM	A02106185	AU	A64839	MB	A04107230	MT	A67816
AM	A02106214	AU	A65301	MB	A04107251	MT	A67817
AM	A02106215	AU	A65601	MB	A04109450	MT	A68292
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AM	A02106328	AU	A67426	MB	A52144	MT	A69878
AM	A02106373	EN	A01100789	MB	A52350	MT	A69911
AM	A02106373	EN	A01102792	MB	A52938	SI	A04108525
AM	A02106499	EN	A01102793	MB	A53703	SI	A04108729
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AM	A02110035	EN	A02106008	MT	A04100729	SI	A04110055
AM	A54164	EN	A02106895	MT	A04100730	SI	A04110142
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AM	A55969	EN	A02107484	MT	A04101767	SI	A04111152
AM	A58499	EN	A02108109	MT	A04101891	WS	A04107179
		EN	A02108132	MT	A04101348		

AM = American Modular Systems AU = Aurora Modular MB = Modular Structures Int'l SI = Silver Creek
AMSI = American Modular Structures EN = Enviroplex MT = Modtech WS = Walden Structures

TITLE 24 CODES:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) (PART 1, TITLE 24, CCR)

2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR)

2022 CALIFORNIA ELECTRICAL CODE (CEC) (PART 3, TITLE 24, CCR)

2022 CALIFORNIA MECHANICAL CODE (CMC) (PART 4, TITLE 24, CCR)

2022 CALIFORNIA PLUMBING CODE (CPC) (PART 5, TITLE 24, CCR)

2022 CALIFORNIA ENERGY CODE (PART 6, TITLE 24, CCR)

2022 CALIFORNIA FIRE CODE (CFC) (PART 9, TITLE 24, CCR)

2022 CALIFORNIA EXISTING BUILDING CODE (CEBC) (PART 10, TITLE 24, CCR)

2022 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGREEN) (PART 11, TITLE 24, CCR)

2022 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS

NOTE TO SITE ADAPT ARCHITECT

1. SITE APPLICATION ARCHITECT TO SUBMIT EXISTING DSA APPROVED RAMP FOUNDATION PLAN FOR REINSTALLATION.
2. SITE APPLICATION ARCHITECT TO PROVIDE DSA APPLICATION NUMBER(S) OF THE EXISTING BUILDINGS TO SHOW THAT THE EXISTING RAMPS WERE CONSTRUCTED PER AN APPROVED PC AND TO VERIFY THAT THE ORIGINAL RAMP & LANDING CONSTRUCTION IS CERTIFIED.
3. THIS PC IS ONLY APPLICABLE TO EXISTING RAMP & LANDINGS THAT HAVE CLOSED WITH CERTIFICATION BY DSA.
4. THIS PC MODIFIES EXISTING RAMP & LANDINGS TO ADD A 12" or 32" HANDRAIL EXTENSION AT THE RAMP TO LANDING TRANSITION AND TO CORRECT 34" MIN. HANDRAIL HEIGHT.
5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE SHALL VERIFY BY APPROPRIATE MEANS, SUBJECT TO DSA APPROVAL, AND SUBMIT A STAMPED AND SIGNED LETTER CERTIFYING THAT THE BUILDING CONFORMS TO THE ORIGINALLY APPROVED PLANS AND SPECIFICATIONS AND HAS NOT SUFFERED STRUCTURAL DETERIORATION, INCLUDING BUT NOT LIMITED TO RUST, DRY ROT, TERMITE DAMAGE, ETC. OR HAS BEEN STRUCTURALLY ALTERED.
6. NOTE TO SITE ADAPT ARCHITECT FOR PARTICULAR PROJECT SITE APPLICATION USE OF THESE DRAWINGS.
   a. VERIFY ADDITIONAL STOCKPILE DRAWINGS ARE PROVIDED FOR THE RELOCATED RAMP AND HANDRAIL.
   b. VERIFY THAT THE SPECIFIED A# FOR THE STOCKPILE DRAWING(S) ACCOMPANYING THIS ALTERATION TO STOCKPILE SET OF DRAWINGS FOR THE PARTICULAR PROJECT SITE APPLICATION HAVE BEEN CERTIFIED.
   c. VERIFY THAT RAMP VERTICAL POST MATERIAL DETAILS SHOWN IN ACCOMPANYING A# STOCKPILE DRAWING(S) MEET OR EXCEED THOSE SHOWN IN THIS ALTERATION TO STOCKPILE SET OF DRAWINGS.

SITE SPECIFIC APPROVAL	DSA PC STAMP	APPROVAL - PC ENGINEER OF RECORD
	PRE-CHECK (PC) DOCUMENT CODE: 2022 CBC A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED	REGISTERED PROFESSIONAL ENGINEER MANNY D. FARIAS No. S3387 Exp. 03/31/24 STRUCTURAL STATE OF CALIFORNIA 11/6/2023

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1	COVER SHEET	18 MAY 2023	
2	TYPICAL PLAN, DETAILS & SPECIFICATIONS	18 MAY 2023	
3	OPTIONAL RAMP & LANDINGS PLANS	18 MAY 2023	
4	DSA 103: LISTING OF STRUCTURAL TEST & SPECIAL INSPECTIONS	18 MAY 2023	

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

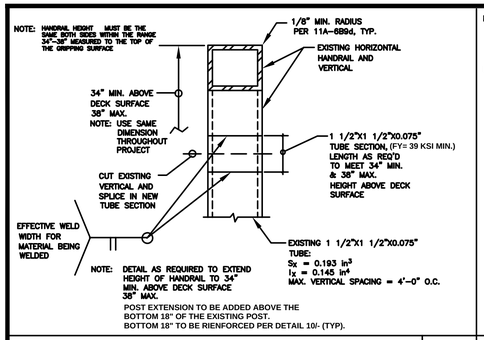
APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122275 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 11/07/2023

HANDRAIL EXTENSION OPTION
2022 CALIFORNIA BUILDING CODE
RAMP/LANDING MODIFICATIONS FOR EXISTING RAMP AND LANDINGS

COVER SHEET

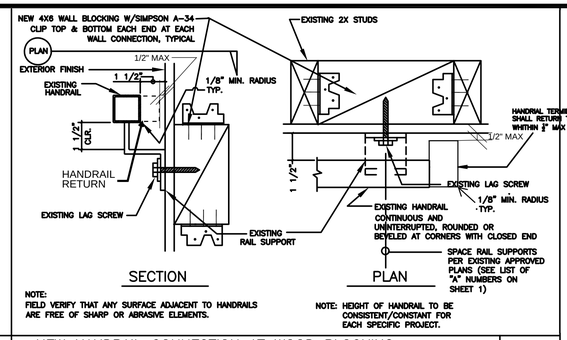
DRAWN
CHECKED
DATE 18 MAY 2023
SCALE
JOB NO.

1
OF 4 SHEETS



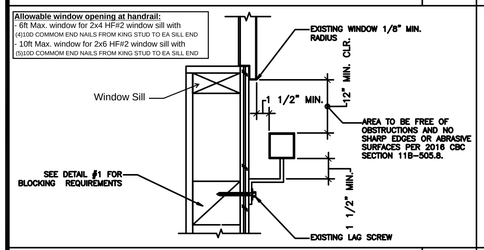
NEW EXTENSION OF EXISTING VERTICALS

SCALE: 1 1/2"=1'-0" | 2



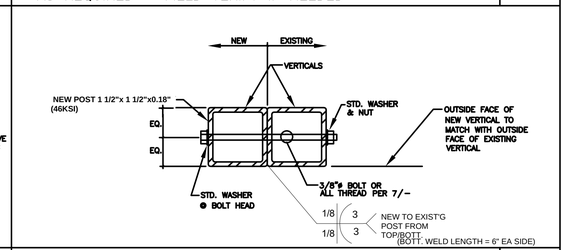
NEW HANDRAIL CONNECTION AT WOOD BLOCKING AS REQUIRED – FIELD VERIFY IF NEEDED

SCALE: 3"=1'-0" | 1



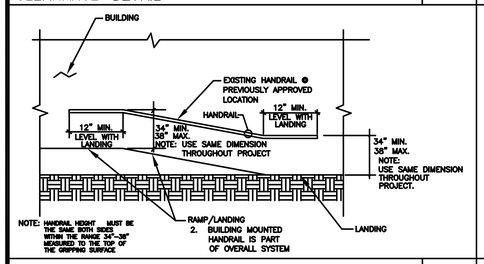
HANDRAIL CLEARANCE DETAIL

4



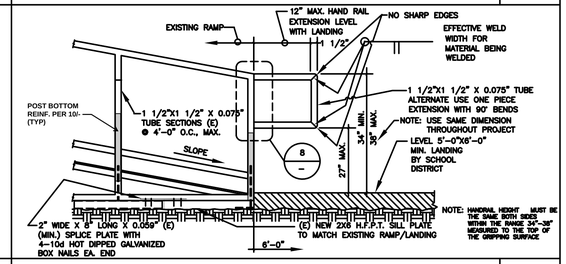
NEW CONNECTION TUBE TO TUBE

3



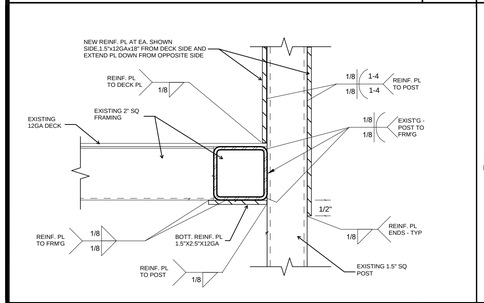
TYPICAL EXISTING WALL MOUNTED HANDRAIL

6



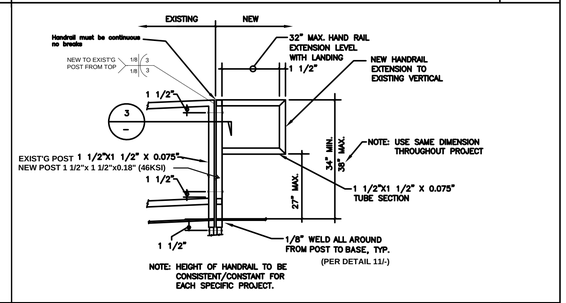
EXISTING HANDRAIL EXTENSION

NO SCALE | 5



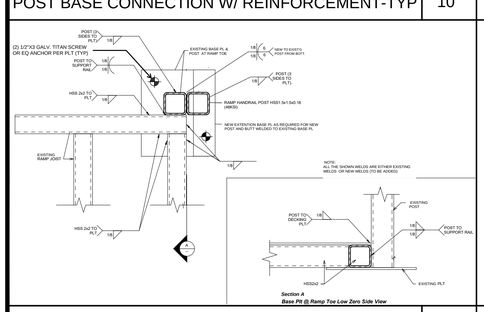
POST BASE CONNECTION W/ REINFORCEMENT-TYP

10



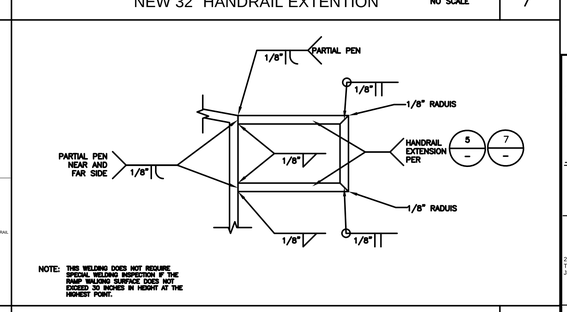
NEW 32" HANDRAIL EXTENTION

NO SCALE | 7



NEW POST/PL AT RAMP TOE

11



HANDRAIL EXTENTION WELD CONN.

NO SCALE | 8

RAMP/LANDING PLAN – SEE SHEET 1
FOR LIST OF DSA APPLICATION/PC NUMBERS THIS PLAN APPLIES

SCALE: 1/2"=1'=0"

NOTES:

CODES:
2021 INTERNATIONAL BUILDING CODE (IBC)/2022 CALIFORNIA BUILDING CODE (CBC)

DESIGN LOADS:
RAMP LIVE LOAD: 100 PSF
WIND LOAD: 110 MPH EXPOSURE "C", K_{ZT} = 1.0
WIND PER ASCE 7-16 CHAPTER 29, (RISK) CATEGORY II

SEISMIC:
S_S = 2.33 F_a = 1.2
S_1 = 1.0 F_v = 1.5
SITE CLASS = D-DEFAULT SEISMIC DESIGN CATEGORY = E
S_{DS} = 1.31 I = 1.0
S_{D1} = 1.13 R = 1.25

NO SNOW LOADING

NO FLOOD LOADING

HANDRAIL & GUARD RAIL LOADS:
50#/FT
200# POINT LOAD

ALLOWABLE SOIL BEARING = 1000 PSF

MATERIAL SPECIFICATIONS:
STEEL: TYPICAL TUBE STEEL ASTM A500 GRADE A (Fy = 39KS1 FOR SHAPED TUBING & Fy = 33 KSI FOR ROUND TUBING)
TUBE STEEL FOR HANDRAIL POSTS SHALL CONFORM TO ASTM A500 GRADE A
ALL STEEL TO BE COATED WITH A RUST INHIBITIVE COATING
STEEL PLATE ASTM A36

BOLTS: ASTM A307 (GALVANIZED)

WELDS: ALL WELDING SHALL CONFORM TO "AMERICAN WELDING SOCIETY D-1.3-08 FOR SHEET STEEL"
ELECTRODES SHALL BE E70XX.

GENERAL NOTES:
1) RAMPS HAVING SLOPES STEEPER THAN 1 VERTICAL TO 20 HORIZONTAL SHALL HAVE LANDINGS AT TOP AND BOTTOM AND AT LEAST ONE INTERMEDIATE LANDING SHALL BE PROVIDED FOR EACH 30" OF RISE, PER CBC 11B-405.7.

2) LOCATION OF LANDINGS.
LANDINGS SHALL BE PROVIDED AT TOP AND BOTTOM OF EACH RAMP. INTERMEDIATE LANDINGS SHALL BE PROVIDED AT INTERVALS NOT EXCEEDING 30 INCHES OF VERTICAL RISE AND AT EACH CHANGE OF DIRECTION . LANDINGS ARE NOT CONSIDERED IN DETERMINING THE MAXIMUM HORIZONTAL DISTANCE OF EACH RAMP.

NOTE: EXAMPLES OF RAMP DIMENSIONS ARE:

SLOPE	MAX. RISE (INCHES)	MAX. HORIZONTAL PROJECTION
1:12	30	30'-0"
1:16	30	40'-0"
1:20	30	50'-0"
1:15	30	37'-6"

2. SIZE OF TOP LANDINGS. TOP LANDINGS SHALL NOT BE LESS THAN 60 INCHES WIDE AND SHALL HAVE A LENGTH OF NOT LESS THAN 60 INCHES IN THE DIRECTION OF RAMP RUN, PER CBC 11B-405.7.2 AND .3.

3) DOORS IN ANY POSITION SHALL NOT REDUCE THE MINIMUM DIMENSION OF THE LANDING TO LESS THAN 42" AND SHALL NOT REDUCE THE REQUIRED WIDTH BY MORE THAN 3" WHEN FULLY OPENED, CBC 11B-405.7.5.

4) THE SURFACE OF RAMPS SHALL BE ROUGHED OR SHALL BE OF SLIP-RESISTANT MATERIAL, TYP. FOR LANDINGS & STAIRS.

5) RAMPS REQUIREMENTS SHALL BE PER CBC 11B-405.

6) RAMPS AND STAIRWAYS USED AS EXIT SHALL CONFORM TO CBC SEC. 1009 SEC. 1010, CHAPTER 11B AND 11B-405.5.

7) HANDRAILS AND GUARDRAILS SHALL CONFORM TO CBC 11B-405.8 (RAMP), 11B-504 (STAIRS).

Note: Verify the exit width & the number of required exits.

8) LANDING WIDTH. AT BOTTOM AND INTERMEDIATE LANDINGS, THE WIDTH SHALL BE AT LEAST THE SAME AS REQUIRED FOR RAMPS, CBC 11B-405.7.

9) THE CLEAR WIDTH OF A RAMP RUN SHALL BE 48" MIN.

10) SLOPE RAMPS AND LANDINGS AS REQUIRED TO PREVENT ACCUMULATION OF WATER ON WALKING SURFACES.

11) ALL WORK SHALL CONFORM TO TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR).

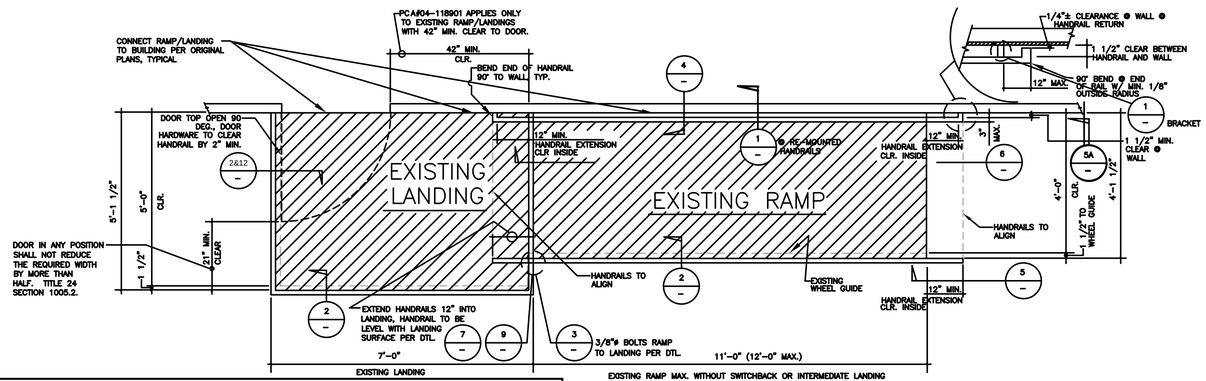
12) CHANGES TO APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDUM OR CONSTRUCTION CHANGES APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338, PART 1 TITLE 24, CCR.

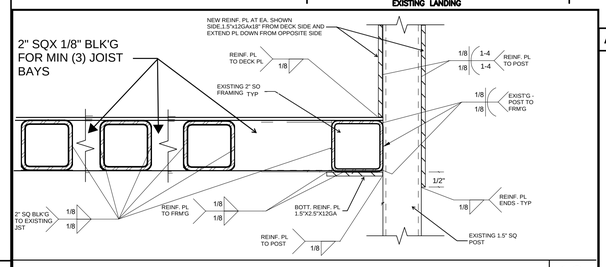
13) A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4.342 PART 1 TITLE 24 CCR.

IN PLANT: SHOP WELDING INSPECTION AND MATERIAL VERIFICATION

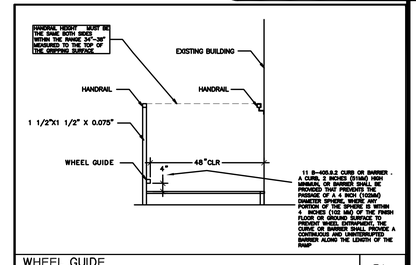
SITE CONSTRUCTION: CLASS 4

DSA NOTES:
1. ALL WORK SHALL CONFORM TO THE 2022 EDITION OF TITLE 24 CALIFORNIA CODE OF REGULATIONS (CCR) COMPLIANCE WITH TITLE 24 FOR PARTS 1-6 & 9
2. TITLE 24 PARTS 1-5 MUST BE KEPT ON SITE DURING CONSTRUCTION.
3. CHANGE TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY ADDENDA OR CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY DSA, AS REQUIRED BY SECTION 4-338, PART 1, TITLE 24, CCR.
4. SUBSTITUTIONS AFFECTING ACS, FLS AND SS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE, AND SHALL BE APPROVED BY DSA PRIOR TO FABRICATION AND INSTALLATION.
   - SUBSTITUTIONS SHALL BE FOR ANY MATERIAL, SYSTEM OR PRODUCT THAT WOULD OTHERWISE BE REVIEWABLE DURING ROUTINE PLAN CHECK BY DSA – SSS, FLS, ACS OR ENERGY.
5. CONSTRUCTION CHANGES CCD'S MUST BE SIGNED BY ALL THE FOLLOWING:
   - A/E OF RECORD
   - OWNER (CONSTRUCTION CHANGES)
   - STRUCTURAL ENGINEER (WHEN APPLICABLE)
   - DELEGATED PROFESSIONAL ENGINEER (WHEN APPLICABLE)
   - DSA
6. A 'DSA CERTIFIED' PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF HT EWORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN SECTION 4-342, PART 1, TITLE 24, CCR.
   - A DSA ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE DISTRICT (OWNER) SHALL CONDUCT ALL THE REQUIRED TEST AND INSPECTIONS FOR THE PROJECT.
7. SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE DSA APPROVED DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE REPAIR WORK.



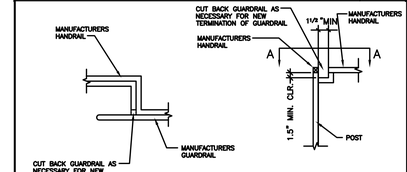


12



WHEEL GUIDE DETAIL

5A



GUARDRAIL MODIFICATION

NO SCALE | 9

APPROVAL – PC ENGINEER OF RECORD

REGISTERED PROFESSIONAL ENGINEER MANNY D. FARHADIEH No. S3380 Exp. 03/31/24 STRUCTURAL STATE OF CALIFORNIA

11/6/2023

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED.

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DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC: 1
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024

PRE-CHECK (PC) DOCUMENT
CODE: 2022 CBC
A SEPARATE PROJECT APPLICATION FOR CONSTRUCTION IS REQUIRED

MOBILE MODULAR MANAGEMENT
11450 MISSION BLVD.
MIRA LOMA, CA 91752

APPROVED
DIV. OF THE STATE ARCHITECT
APP: 04-122275 PC
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑ CG ☐
DATE: 11/07/2023

HANDRAIL EXTENSION OPTION
2022 CALIFORNIA BUILDING CODE
RAMP/LANDING MODIFICATIONS FOR
EXISTING RAMP AND LANDINGS

TYPICAL PLAN, DETAILS & SPECIFICATIONS

DRAWN	
CHECKED	
DATE	18 MAY 2023
SCALE	
JOB NO.	

2
OF 4 SHEETS

VALLECITOS ELEMENTARY SCHOOL

NEW PORTABLE BUILDING

VALLECITOS SCHOOL DISTRICT

FIRE ALARM SYSTEMS

CSFM Listing and Cut Sheets

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 04-123455 INC:
REVIEWED FOR
SS ☑ FLS ☑ ACS ☑
DATE: 11/07/2024



Electrical Engineers Seal

FBA ENGINEERING
Consulting Engineers
150 Paularino Avenue, Suite A120
Costa Mesa, California 92626
FBA # 229177

HPF24S6 and HPF24S8

Power Supplies with Battery Chargers

Description

The HPF24S6 and HPF24S8 are compact, cost-effective, 6 amp. or 8 amp. remote power supplies with integral battery chargers. These adaptable power supplies may be connected to any 12 or 24 volt Fire Alarm Control Panel (FACP) or the power supplies may stand-alone. Primary applications include the following:

- Notification Appliance Circuits (NAC) expansion to support ADA requirements and NAC synchronization
- Auxiliary power to support 24 volt system accessories

These power supplies provide regulated and filtered 24 VDC power to four (4), notification appliance circuits, configured as either four (4), Class B (Style Y) or Class A (Style A, with ZNAC-4 Option Module). Alternately, the four outputs may be configured as follows:

- all non-resettable
- all resettable
- two non-resettable
- two resettable

The power supplies also contain a battery charger with a charging capacity of up to 18 Amp Hour batteries.

The HPF24S6 and HPF24S8 power supplies comply with the following Agency standards:

- NFPA 72 National Fire Alarm Code,
- UL Standard 864, 9th Edition for control units for Fire Alarm Systems (NAC expander mode).
- UL 1481 Power Supplies for Fire Alarm Systems (stand-alone mode).



HFP24S6/8 dh1061.jpg

Features

- UL® Listed NAC synchronization using System Sensor, Cooper-Wheelock or Gentex (Commander Series) appliances
- Uses a cascade of up to ten (10), power supplies or (four (4), power supplies with Gentex) with strobe timing maintained
- Operates as a sync follower or a sync generator (default)
- Contains two (2), fully -isolated input/control circuits energized from FACP notification appliance circuit (NAC expander mode) or jumpered permanently on (stand-alone mode)
- Configured to internally house an addressable SLC control module for alarm activation
- Supports four (4), Class B (Style Y) or four (4), Class A (Style Z) (with ZNAC-4 Module) notification appliance circuits
- Provides 6.0A or 8.0A (depending on model) full load output (3.0A maximum per circuit) in NAC expander mode (UL Standard 864)
- Uses 4.0A or 6.0A continuous output in the stand-alone mode (UL Standard 1481)

SIGNALING
LISTED
S6677
S6677
7315-1637:0102

UL® is a registered trademark for Underwriter's Laboratories Inc.

GAMEWELL-FCI
12 Clintonville Road, Northford, CT 06472-1610 USA • Tel: (203) 484-7161 • Fax: (203) 484-7118
Specifications are for information only, are not intended for installation purposes, and are subject to change without notice. No responsibility is assumed by Gamewell-FCI for their use.
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Features (Continued)

- In stand-alone mode, output power circuits are configured as resettable, (using the FACP reset switch), non-resettable, or a combination of both
- Fully regulated and filtered power output (optimal for powering four-wire smoke detectors, annunciators and other system peripherals requiring regulated/filtered power)
- Class 2 Power-Limited technology complies with UL Class 2 Power-Limited requirements
- Includes a normally-closed trouble relay
- Provides fully, supervised power supply, battery and notification appliance circuits
- Selectable earth fault detection
- AC trouble report selectable for immediate or up to an 8 hour delay
- Compatible with any UL Standard 864 fire alarm control panel which uses an industry standard, reverse polarity, and notification circuit (including unfiltered and unregulated bell power)
- Requires input trigger voltage of 9.0 -32 VDC
- Built with a self-contained compact, lockable cabinet 15” H x 14.5” W x 2.75” D (38.1 H x 36.8 W x 7.0 D cm)
- Includes an integral battery charger capable of charging up to 18 AH batteries. The cabinet has the capacity of housing 7.0 AH batteries
- Battery charger may be disabled via a DIP (Dual In-Line Package) switch for applications requiring larger batteries
- Offers fixed, clamp-type terminal blocks that accommodate up to 12 AWG (3.1 mm^2) wire

Specifications

Primary (AC) Power

- HPF24S6: 120 VAC 60 Hz, 3.2A maximum
- HPF24S8: 120 VAC 60 Hz, 3.2A maximum
- Wire size: minimum 14 AWG (2.0 mm²) with 600V insulation

Control Input Circuit

- Input Voltage: 9.0 to 32 VDC
- Input Current: 2.0 mA (16 - 32 V) per input 1.0 mA (9 - 16 V)

Trouble Contact Rating

- 5.0A at 24 VDC

Auxiliary Power Output

- Specific Application Power - 500 mA maximum

Output Circuits

- +24 VDC filtered, regulated
- 3.0A maximum for any one circuit

Specifications (Continued)

Output Circuits (Continued)

- 4.0A maximum total continuous current for all outputs (Stand-alone mode) for the HPF24S6 and 6A for the HPF24S8
- 6A or 8A, depending on the model, maximum total short-term current for all outputs (NAC Expander mode).

Secondary Power (Battery) Charging Circuit

- Supports lead-acid batteries only
- Float Charge Voltage: 27.6 VDC
- Maximum Charge Current: 1.5A
- Maximum Battery Capacity: 18 AH

Ordering Information

Part Number	Description
HPF24S6	Remote charger 6A power supply (120 VAC). Includes the main printed circuit board, transformers, red enclosure, and installation instructions
HPF24S8	Remote charger 8A power supply (120 VAC). Includes the main printed circuit board, transformers, red enclosure, and installation instructions
FCPS-24S6RB	Replacement mother board
ZNAC-4 -	Class A (Style Z) NAC option module
BAT-1270 -	Battery, 12 volt, 7.0 AH (two required)

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OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

LISTING No.:	7315-1637:0102
PARENT LISTING No.:	7315-0075:0206
CATEGORY:	7315 - POWER UNITS
LISTEE:	Honeywell International Inc. One Fire-Lite Place, Northford, CT, 06472 Contact: Brant, Lisa (203) 484-6105 Email: lisa.brant@honeywell.com
DESIGN:	Models HPF24S6, HPF24S8, HPFF8, HPFF8E, HPFF8CM, HPFF8CME, HPFF12, HPFF12E, *HPFF12CM and *HPFF12CME power limited power supply/battery chargers used for supervision and expanded power driving capability of up to four Notification Appliance Circuits (FACP Fire Circuits, Signaling Devices) or resettable/non resettable outputs. Model ZNAC-4 Class A converter. Refer to listee's data sheet for additional detailed product description and operational considerations.
RATING:	120 VAC, 24 VDC
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, product designation, electrical rating and UL label.
APPROVAL:	Listed as power supply/battery chargers for use with separately listed compatible fire alarm control units.
NOTES:	

*Rev. 10-20-10 bh

This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test resultsand/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria.Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 05/04/2023

Listing Expires: 06/30/2024

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
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FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

Authorized By: **David Castillo** , Program Coordinator
Fire Engineering & Investigations Division

Honeywell | Addressable Devices

Velociti® Series 3 Detectors

Photoelectric Detectors

Description

The Gamewell-FCI, Velociti® Series 3 intelligent photoelectric detectors with integral communication provide point location for alarm communication and selective maintenance. Designed in a modern bright white color, the Velociti Series 3 is aesthetically pleasing for today's contemporary buildings.

The Velociti Series 3 smoke detectors are intelligent addressable detectors with point ID capability that enable each detector address to be set with rotary address switches providing exact device locations. The photoelectric detector continually monitors the detected temperature and reports it to the fire alarm control panel. The modern design and expanded color options support a variety of contemporary aesthetic demands. In addition, each detector is constructed for exceptional installation and maintenance efficiency.

The Gamewell-FCI, ASD-PL3 photoelectric detector's re-designed optical sensing chamber is engineered to sense smoke produced by a wide range of combustion sources in accordance with more stringent code standards. The sensitivity of Velociti series detectors can be programmed using the control panel software to suit the environment. The ASD-PL3R photoelectric detector is also remote test capable that may be used with a DNR (DNRW) duct smoke detector housing. The ASD-PTL3 multi-sensor detector offers either photoelectric detection or thermal detection through dual electronic thermistors at 135°F fixed temperature thermal sensing.

For legacy installations, service detectors are available in the classic ivory color that will operate in both Velociti and CLIP protocol for backwards compatibility. Service models are designated by the -IV part number after the detector model.

Note: Although the E3 Series® and S3 Series panels support both the Velociti® and CLIP™ protocols, the GWF-7075 panel does not support the CLIP protocol. To obtain a complete list of panels that are listed to Velociti Series 3 detectors, refer to the Compatibility Addendum for Gamewell-FCI Manuals, P/N:9000-0427-L8.



Photoelectric Detector

FEATURES & BENEFITS

- Complies with UL® Standard 268 7th Edition
- Designed with a new profile to offer modern and improved aesthetics
- Contains a built-in functional test switch activated by external magnet
- Supports a low standby current
- Provides rotary address switches (01-159)
- Supplies optional relay, isolator, or sounder bases (standard or low frequency)
- Includes dual LEDs for 360° visibility
- Offers expanded color options

Ordering Information

NOTE: "-IV" suffix indicates Ivory color model.
NOTE: "-BL" suffix indicates Black color model.
NOTE: "WH" suffix indicates Bright White color model.
ASD-PL3: Photoelectric smoke detector, bright white, Velociti

ASD-PL3R: Photoelectric smoke detector, remote test capable, for use with DNR(W) duct smoke detectors, bright white, Velociti

ASD-PTL3: Photoelectric smoke detector with thermal sensing, bright white, Velociti

ASD-PL3-IV : Photoelectric smoke detector, ivory, Velociti/CLIP

ASD-PL3R-IV: Photoelectric smoke detector, remote test capable, for use with DNR(W) duct smoke detectors, ivory, Velociti/CLIP

ASD-PTL3-IV : Photoelectric smoke detector with thermal sensing, ivory, Velociti/CLIP

Intelligent Bases

For details on intelligent bases, refer to Data Sheet P/N: 9021-60540.

Note: "IV" suffix indicates Flashscan and CLIP devices.

"WH" suffix indicates bright white

B501-WHITE: 4" Flangeless mounting base, bright white

B501-WHITE-BP: 4" Flangeless mounting base bulk pack, bright white

B501-IV: 4" Flangeless mounting base, ivory

B300-6: 6" Flanged mounting base, bright white

B300-6-IV: 6" Flanged mounting base, ivory

B300-6-BP: 6" Flanged mounting base bulk (Pack of 10)

B200SR-WH: Standard sounder base, bright white

B200SR-IV: Standard sounder base, ivory

B200S-WH: Intelligent addressable sounder base, bright white

B200S-IV: Intelligent addressable sounder base, ivory

B200SR-LF-WH: Standard low frequency sounder base, bright white

B200SR-LF-IV: Standard low frequency sounder base, ivory

B200S-LF-WH: Intelligent addressable low frequency sounder base, bright white

B200S-LF-IV: Intelligent addressable low frequency sounder base, ivory

B224RB-WH: Relay base, bright white

B224RB-IV: Relay base, ivory

B224BI-WH: Isolator base, bright white

B224BI-IV: Isolator base, ivory

DNR: Intelligent duct detector housing, non-relay

DNRW: Intelligent duct detector housing, non-relay, watertight

Ordering Information

Accessories

SMB600: Surface Mounting Kit (flanged)

TR300: Accessory Flange Ring for B300 6" Base, bright white

TR300-IV: Accessory Flange Ring for B300 6" Base, ivory

RA100Z: Remote LED annunciator, 3-32 VDC

The annunciator mounts to a U.S. single-gang electrical box. For use with B501 and B300-6.

CK300: Bright White detector kit (Pack of 10)

CK300-IR: White, detector color kit for use with MCS-COF Series Detectors. (Pack of 10)

CK300-IV: Ivory, detector color kit. (Pack of 10)

CK300-IR-IV: Ivory, detector color kit for use with MCSCOF Series detectors. (Pack of 10)

CK300-BL: Black detector kit. (Pack of 10)

CK300-IR-Bl: Black, detector color kit for use with MCSCOF Series detectors. (Pack of 10)

M02-04-01: Detector test magnet.

M02-09-00: Test magnet with telescoping handle.

XR2B: Detector removal tool. Allows the installation and/or removal of the detector heads from the bases in high ceiling applications.

XP-4: Extension pole for XR2B. Shipped with three, 5-foot (1.524,m) sections.

Velociti® Series 3 Detectors Technical Specifications

SYSTEMS

Photoelectric Intelligent Detector:

Physical Specifications

Height: 2.0 inches (51 mm) installed in B300-6 base

Diameter:

6.1 inches (15.49 cm) installed in B300-6 base

4 inches (10.16 cm) installed in B501 base

Shipping Weight: 3.4 oz (96.4 g)

Operating Temperature Range:

Photo: 32° F to 122° F (0° C to 50° C)

Photo in Duct Applications: -4° F to 158° F (-20° C to 70° C)

Photo with Thermal: 32° F to 100° F (0° C to 38° C)

Operating Humidity Range: 10% to 93% non-condensing

Rate-of-Rise Detection: Responds to greater than 15°F/minute or 135°F (8.3° C/minute or 57°C

Air Velocity Range: 0 to 4,000 ft/min (0 to 1219.2 m/min)

Electrical Specifications

Voltage Range: 15 to 32 VDC

Standby Current (@ 24 VDC): 200 UA (one communication every 5 seconds with green LED enabled)

Max Alarm Current (max.): 2 mA @ 24 VDC (one communication every 5 seconds with red LED enabled)

Max Current (max.): 4.5 mA @ 24 VDC (one communication every 5 seconds with amber LED enabled)

Isolator Load Rating: 0.0063

STANDARDS

The Velociti® Series 3 Photoelectric Detectors are designed to comply with the following standard:

UL Standard: UL 268

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

UL: S2332

FM: 3023594

MEA FDNY: COA-219-02-E Vol. VI

CSFM: 7272-1703:0501

ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit: http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information

Learn more about Gamewell-FCI's Velociti® Series 3 Detectors and other products available by visiting www.Gamewell-FCI.com

Honeywell Gamewell-FCI

12 Clintonville Road

Northford, CT 06472-1610

203.484.7161

www.honeywell.com

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FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

LISTING No.:	7272-1703:0501
PARENT LISTING No.:	7272-0028:0503
CATEGORY:	7272 - SMOKE DETECTOR-SYSTEM TYPE-PHOTOELECTRIC
LISTEE:	GAMEWELL-FCI 12 Clintonville Road, Northford, CT, 06472 Contact: Brant, Lisa (203) 484-6105 Email: lisa.brant@honeywell.com
DESIGN:	Models ASD-PL3, ASD-PL3R, and ASD-PTL3 analog addressable, photoelectric smoke detectors for open area and duct installations. Model ASD-PTL3 has a complementary heat detector. All models are similarl except for population/depopulation of components on the Printed Wiring Board for the intended features. All above models may be followed by two digit Suffix indicating the color of the detector enclosure: no suffix for white, -IV for ivory, -BL for black. Refer to listee's Installation and Maintenance Instruction for additional detailed product description and operational considerations
RATING:	24 VDC.
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, electrical rating, and UL label.
APPROVAL:	Listed as photoelectric smoke detectors. Detectors are for use with separately listed System Sensor base Models *B501, *B210LP (CSFM Listing 7300-1653:0109), B200S and B200SR (CSFM Listing 7300-1653:0213), B200S-LF and B200SR-LF (CSFM Listing 7300-1653:0238), B300-6 and B300-6-IS bases (CSFM Listing 7300-1653:0109), *B224BI and *B224RB (CSFM Listing 7300-1653:0126), System Sensor duct detector housings Models DNR and DNRW (CSFM listing 3240-1653:0209) and separately listed compatible fire alarm control units. Refer to manufacturer’s Installation Manual for details. *All models comply with the applicable requirements in ANSI/UL 268, Smoke Detectors for Fire Alarm Systems, 7th Edition, January 11, 2016.
NOTES:	

*Revision
12/17/19 DCC

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FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

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Date Issued: 05/04/2023

Listing Expires: 06/30/2024

Authorized By: **David Castillo** , Program Coordinator
Fire Engineering & Investigations Division

Velociti® Series
ATD-L2F, ATD-RL2F

Addressable Thermal Sensor

Description

The Gamewell-FCI Velociti® Series, addressable plug-in thermal sensors with integral communication provide features that surpass conventional sensors. Point ID capability allows each sensor's address to be set, providing exact locations for pinpointing alarm locations and for selective maintenance. ATD thermal sensors use an innovative thermistor sensing circuit to produce 135°F/57°C fixed-temperature (ATD-L2F). The ATD-RL2F provides a combination 15°/minute rate-of-rise with 135° fixed thermal detection that is included in a low-profile package. The ATD-HL2F provides fixed high-temperature detection at 190°F/88°C. These thermal sensors provide cost-effective, addressable property protection in a variety of applications.

The Velociti® Series uses a communication protocol that substantially increases the speed of communication between the sensors and Gamewell-FCI analog addressable fire alarm controls. These devices operate in a grouped fashion. If one of the devices in the group has a status change, the panel's microprocessor stops the group poll and concentrates on the single device. The net effect is response speed up to five times greater than earlier designs.

Installation

ATD plug-in sensors use a separate base to simplify installation, service, and maintenance. A special tool allows maintenance personnel to plug-in and remove sensors without using a ladder.

Mount the base on a box which is at least 1.5" (3.8 cm) deep. Suitable mounting base boxes include:

- 4.0" (10.2 cm) square box.
- 3.5" (8.9 cm) or 4.0" (10.2 cm) octagonal box.
- Single-gang box (except relay or isolator base).
- With B501BH or B501BHT base, use a 4.0" (10.2 cm) square box.
- With B224RB or B224BI base, use a 3.5" (8.9 cm) octagonal box, or a 4.0" (10.2 cm) octagonal or square box.

NOTE: Because of the inherent supervision provided by the SLC, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring.

Velociti® and E3 Series® are registered trademarks of Honeywell International Inc.
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ATD-L2F

Features

- Sleek, low-profile design
- Visual rotary switch addressing
- Built-in functional test switch activated by an external magnet
- Bicolor LEDs flash green whenever the sensor is addressed, and light steadily red on alarm*
- Optional relay, isolator, or sounder bases
- Low standby current
- Addressable communication
- Stable communication technique with noise immunity
- Optional remote, single-gang LED accessory (RA-400Z)
- Suitable for installation in ducts

Note: *Only the red LED is operative in panels that do not operate in Velociti® mode.

An ISO 9000-2000 Company

SIGNALING UL LISTED S2332 FM APPROVED 3023594 MEA Approved 219-02-E Vol.VI 07270-0694:256

GAMEWELL-FCI
12 Clintonville Road, Northford, CT 06472-1610 USA • Tel: (203) 484-7161 • Fax: (203) 484-7118
Specifications are for information only, are not intended for installation purposes, and are subject to change without notice. No responsibility is assumed by Gamewell-FCI for their use.
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Specifications

Size:	2.1" (5.3 cm) high x 4.1" (10.4 cm) diameter installed in B501 base, 6.1" (15.5 cm) diameter installed in ADB-FLF base
Shipping Weight:	4.8 oz. (137 g)
Operating Temperature:	
ATD-L2F or ATD-RL2F	–4° F to 100° F (–20° C to 38°C)
ATD-HL2	–4° F to 150°F (–20 C to 66°C)
Sensor Spacing:	UL® approved for 50 ft. (15.2 m) center to center FM approved for 25 x 25 ft. (7.6 x 7.6 m) spacing
Relative Humidity:	10 – 93% (non-condensing)
ATD-L2F	Fixed-temperature setpoint 135°F (57°C)
ATD-RL2F	Combination 135° F fixed temperature and 15° (8.3°c) per minute rate-of-rise°
ATD-HL2F	Fixed-temperature setpoint 190°F (88°C)

Electrical Specifications

Voltage Range:	15 - 32 volts DC peak
Standby Current:	200 mA @ 24 VDC (without communication)
max. avg.)	.0003 A @ 24 VDC (one communication every 5 seconds with LED enabled)
LED Current (max.)	.0065 A @ 24 VDC (LED lit)
Voltage Range	15 –32 volts DC peak

Specifications

Bases and Options

ADB-FLF	6.1” (15.5 cm) diameter standard base
B501	4.1” (10.4 cm) diameter flangeless base
B501BH or B501BHT	Sounder base assembly (B501BHT produces a Temporal Pattern) includes B501 base
B224RB Relay Base	Up to 14 AWG (2.0 mm2) Relay type: Form-C Rating: 2.0A @ 30 VDC resistive 0.3 A @ 110 VDC inductive 1.0 A @ 30 VDC inductive
B224RB Relay Base Dimensions:	6.2”: (15.7 cm) x 1.2” (3.0 cm)
B224BI Isolator Base Dimensions:	6.2” (15.7 cm) x 1.2” (3.0 cm) Maximum 25 devices between isolator bases
RA-400Z	Remote alarm indicator, LED
BCK-200	Black detector covers (box of 10)

Ordering Information

Model	Description
ATD-L2F	Addressable thermal sensor, fixed, 135° F
ATD-RL2F	Addressable thermal sensor, combination fixed,135° F and 15°/minute rate-of-rise.
ATD-HL2F	Addressable thermal sensor, fixed, 190° F

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FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

LISTING No.:	7270-1703:0115
CATEGORY:	7270 - HEAT DETECTOR
LISTEE:	GAMEWELL-FCI 12 Clintonville Road, Northford, CT, 06472 Contact: Brant, Lisa (203) 484-6105 Email: lisa.brant@honeywell.com
DESIGN:	Models ATD-L2, *ATD-L2F, ATD-HL2 AND *ATD-HL2F (fixed temperature) and ATD-RL2 *ATD-RL2F (fixed temperature with Rate-of-Rise) electronic heat detectors. Refer to listee's data sheet for additional detailed product description and operational considerations.
RATING:	ATD-L2, *-L2F, ATD-RL2, -*RL2F = 135°F fixed temperature ATD-HL2, *-HL2F = 190°F fixed temperature
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, electrical ratings, and UL Label.
APPROVAL:	Listed as heat detectors for use with separately listed compatible fire alarm control units. Refer to listee's Installation Instruction Manual for details.
NOTES:	FORMERLY: 7270-0694:256

This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 05/05/2023

Listing Expires: 06/30/2024

Authorized By: **David Castillo**, Program Coordinator
Fire Engineering & Investigations Division

Outdoor Selectable-Output Horns, Strobes, and Horn Strobes for Wall Applications



SpectrAlert® Advance outdoor audible visible products are rich with features that cut installation times and maximize profits.

Features

- Weatherproof per NEMA 4X, IP56
- Listed to UL 1638 (strobe) and UL 464 (horn)
- Compatible with System Sensor synchronization protocol and legacy SpectrAlert products
- Field-selectable candela settings: 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, and 185
- Automatic selection of 12- or 24-volt operation at 15 and 15/75 candela
- Rotary switch for horn tone and three volume selections
- Horn rated at 88+ dBA at 16 volts
- Rated from –40°F to 151°F
- Universal mounting plate with an onboard shorting spring that tests wiring continuity before devices are installed
- Plug-in design with minimal intrusion into the back box
- Tamper-resistant construction
- Listed for ceiling or wall mounting

Agency Listings

SIGNALING UL LISTED
S4011 (chimes, horn strobes, horns)
S3593 (outdoor and alert strobes)

FM APPROVED
3023572

MEA approved
MEA452-05-E

7300-1653:187 (outdoor strobes)
7125-1653:188 (horn strobes, chime strobes)
7135-1653:189 (horns, chimes)

SpectrAlert Advance offers the broadest line of outdoor horns, strobes, and horn strobes in the industry. With white or red plastic housings, wall or ceiling mounting options, and plain or FIRE-printed devices, SpectrAlert Advance can meet virtually any application requirement, including indoor, outdoor, wet, and dry applications in temperatures from –40°F to 151°F.

Like the entire SpectrAlert Advance line, outdoor horns, strobes, and horn strobes for wall applications include a variety of features that increase application flexibility and simplify installation. First, field-selectable settings, including candela, automatic selection of 12- or 24-volt operation, horn tones, and three volume options enable installers to easily adapt devices to meet requirements.

Next, SpectrAlert Advance devices use a universal mounting plate for both wall and ceiling applications. This mounting plate includes an onboard shorting spring that ensures wiring continuity before devices are installed, so installers can verify proper wiring without mounting the devices and exposing them to potential construction damage. Once the plates are mounted, all SpectrAlert Advance devices utilize a plug-in design with a single captured screw to speed installation and virtually eliminate costly ground faults.

Outdoor devices ship with weatherproof plastic back boxes (metal back boxes are available separately) that accommodate in-and-out wiring for daisy chaining devices. Plastic back boxes feature removable side flanges and improved resistance to saltwater corrosion. Knock-outs located on the back eliminate the need to drill holes for screw-in mounting. Plastic and metal weatherproof back boxes come with ¾-inch top and bottom conduit entries and ¾-inch knock-outs at the back. A screw-in NPT plug with an O-ring gasket for a watertight seal is included with each back box.

SpectrAlert Advance Outdoor Horn, Strobe, and Horn Strobe Specifications

Architect/Engineer Specifications

General

SpectrAlert Advance outdoor horns, strobes, and horn strobes shall mount to a weatherproof back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit wiring shall terminate at the universal mounting plate. Also, SpectrAlert Advance products, when used with the Sync•Circuit™ Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync•Circuit Module, 12-volt-rated notification appliance circuit outputs shall operate between 9 and 17.5 volts; 24-volt-rated notification appliance circuit outputs shall operate between 17 and 33 volts. Outdoor SpectrAlert Advance products shall operate between –40 and 151 degrees Fahrenheit from a regulated DC or full-wave rectified unfiltered power supply. Strobes and horn strobes shall have field-selectable candela settings including 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, and 185.

Strobe

The strobe shall be a System Sensor SpectrAlert Advance Model _____ listed to UL 1971 and shall be approved for fire protective service. The strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The strobe must be installed with its weatherproof back box in order to remain outdoor approved per UL. The strobe shall be suitable for use in wet environments.

Horn Strobe Combination

The horn strobe shall be a System Sensor SpectrAlert Advance Model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service. The horn strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have three audibility options and an option to switch between a temporal three pattern and a non-temporal (continuous) pattern. These options shall be set by a multiple position switch. On four-wire products, the strobe shall be powered independently of the sounder. The horn or horn strobe models shall operate on a coded or non-coded power supply. The horn strobe must be installed with its weatherproof back box in order to remain outdoor approved per UL. The horn strobe shall be suitable for use in wet environments.

Physical/Electrical Specifications

Operating Temperature	–40°F to 151°F (–40°C to 66°C)
Strobe Flash Rate	1 flash per second
Nominal Voltage	Regulated 12 DC/FWR or regulated 24 DC/FWR[1]
Operating Voltage Range[2]	8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)
Input Terminal Wire Gauge	12 to 18 AWG
Wall-Mount Dimensions (including lens)	5.6″L × 4.7″W × 2.5″D (142 mm L × 119 mm W × 64 mm D)
Horn Dimensions	5.6″L × 4.7″W × 1.3″D (142 mm L × 119 mm W × 33 mm D)
Wall-Mount Weatherproof Back Box Dimensions (SA-WBB)	5.7″L × 5.1″W × 2.0″D (145 mm L × 130 mm W × 51 mm D)

Notes:

1. Full Wave Rectified (FWR) voltage is a non-regulated, time-varying power source that is used on some power supply and panel outputs.
2. P, S, PC, and SC products will operate at 12 V nominal only for 15 and 15/75 cd.

UL Current Draw Data

UL Max. Strobe Current Draw (mA RMS)

		8–17.5 Volts		16–33 Volts	
	Candela	DC	FWR	DC	FWR
Standard Candela Range	15	123	128	66	71
	15/75	142	148	77	81
	30	NA	NA	94	96
	75	NA	NA	158	153
	95	NA	NA	181	176
	110	NA	NA	202	195
	115	NA	NA	210	205
High Candela Range	135	NA	NA	228	207
	150	NA	NA	246	220
	177	NA	NA	281	251
	185	NA	NA	286	258

UL Max. Horn Current Draw (mA RMS)

		8–17.5 Volts		16–33 Volts	
Sound Pattern	dB	DC	FWR	DC	FWR
Temporal	High	57	55	69	75
Temporal	Medium	44	49	58	69
Temporal	Low	38	44	44	48
Non-Temporal	High	57	56	69	75
Non-Temporal	Medium	42	50	60	69
Non-Temporal	Low	41	44	50	50
Coded	High	57	55	69	75
Coded	Medium	44	51	56	69
Coded	Low	40	46	52	50

UL Max. Current Draw (mA RMS), 2-Wire Horn Strobe, Standard Candela Range (15–115 cd)

	8–17.5 Volts		16–33 Volts						
DC Input	15	15/75	15	15/75	30	75	95	110	115
Temporal High	137	147	79	90	107	176	194	212	218
Temporal Medium	132	144	69	80	97	157	182	201	210
Temporal Low	132	143	66	77	93	154	179	198	207
Non-Temporal High	141	152	91	100	116	176	201	221	229
Non-Temporal Medium	133	145	75	85	102	163	187	207	216
Non-Temporal Low	131	144	68	79	96	156	182	201	210
FWR Input									
Temporal High	136	155	88	97	112	168	190	210	218
Temporal Medium	129	152	78	88	103	160	184	202	206
Temporal Low	129	151	76	86	101	160	184	194	201
Non-Temporal High	142	161	103	112	126	181	203	221	229
Non-Temporal Medium	134	155	85	95	110	166	189	208	216
Non-Temporal Low	132	154	80	90	105	161	184	202	211

UL Max. Current Draw (mA RMS), 2-Wire Horn Strobe, High Candela Range (135–185 cd)

	16–33 Volts					16–33 Volts			
DC Input	135	150	177	185	FWR Input	135	150	177	185
Temporal High	245	259	290	297	Temporal High	215	231	258	265
Temporal Medium	235	253	288	297	Temporal Medium	209	224	250	258
Temporal Low	232	251	282	292	Temporal Low	207	221	248	256
Non-Temporal High	255	270	303	309	Non-Temporal High	233	248	275	281
Non-Temporal Medium	242	259	293	299	Non-Temporal Medium	219	232	262	267
Non-Temporal Low	238	254	291	295	Non-Temporal Low	214	229	256	262

Candela Derating

For K series products used at low temperatures, listed candela ratings must be reduced in accordance with this table.

Strobe Output (cd)	
Listed Candela	Candela rating at –40°F
15	Do not use below 32°F
15/75	
30	
75	44
95	70
110	110
115	115
135	135
150	150
177	177
185	185

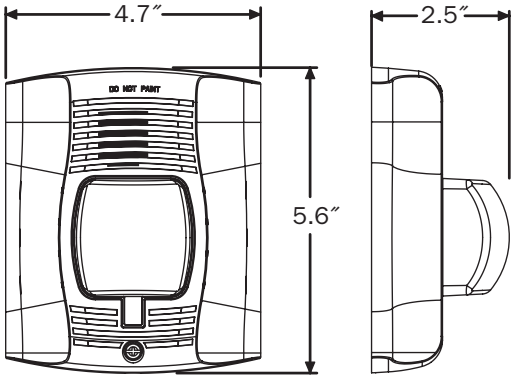
Horn Tones and Sound Output Data

Horn and Horn Strobe Output (dBA)

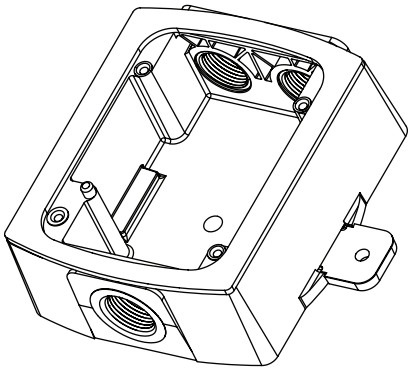
			8–17.5 Volts		16–33 Volts		24-Volt Nominal			
							Reverberant		Anechoic	
Switch Position	Sound Pattern	dB	DC	FWR	DC	FWR	DC	FWR	DC	FWR
1	Temporal	High	78	78	84	84	88	88	99	98
2	Temporal	Medium	74	74	80	80	86	86	96	96
3	Temporal	Low	71	73	76	76	83	80	94	89
4	Non-Temporal	High	82	82	88	88	93	92	100	100
5	Non-Temporal	Medium	78	78	85	85	90	90	98	98
6	Non-Temporal	Low	75	75	81	81	88	84	96	92
7†	Coded	High	82	82	88	88	93	92	101	101
8†	Coded	Medium	78	78	85	85	90	90	97	98
9†	Coded	Low	75	75	81	81	88	85	96	92

†Settings 7, 8, and 9 are not available on 2-wire horn strobe.

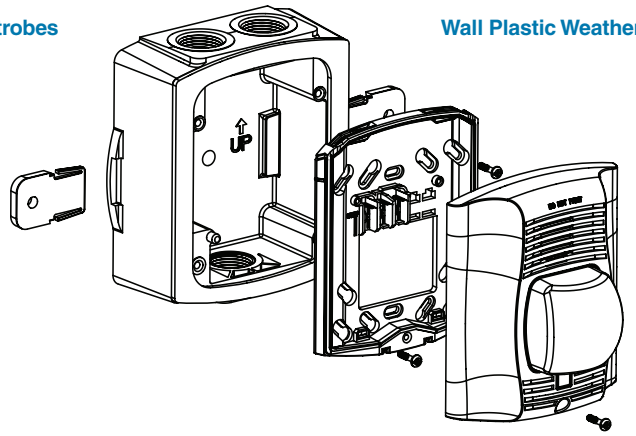
SpectrAlert Advance Diagrams



Wall-Mount Horn Strobes



Wall Plastic Weatherproof Back Box



Wall-Mount Horn Strobe with Plastic Weatherproof Back Box

SpectrAlert Advance Ordering Information

Model	Description
Wall Horn Strobes	
P2RK*†	2-Wire Horn Strobe, Standard cd, Red, Outdoor (includes plastic weatherproof back box)
P2RHK*†	2-Wire Horn Strobe, High cd, Red, Outdoor (includes plastic weatherproof back box)
P2WK*†	2-Wire Horn Strobe, Standard cd, White, Outdoor (includes plastic weatherproof back box)
P2WHK*†	2-Wire Horn Strobe, High cd, White, Outdoor (includes plastic weatherproof back box)
P4RK†	4-Wire Horn Strobe, Standard cd, Red, Outdoor (includes plastic weatherproof back box)
P4WK	4-Wire Horn Strobe, Standard cd, White, Outdoor (includes plastic weatherproof back box)
P2RHK-120	2-Wire Horn Strobe, High cd, Red, Outdoor, 120 V (includes plastic weatherproof back box)
Wall Strobes	
SRK*†	Strobe, Standard cd, Red, Outdoor (includes plastic weatherproof back box)
SRHK*†	Strobe, High cd, Red, Outdoor (includes plastic weatherproof back box)
SWK*†	Strobe, Standard cd, White, Outdoor (includes plastic weatherproof back box)
SWHK*†	Strobe, High cd, White, Outdoor (includes plastic weatherproof back box)
Horns	
HRK†	Horn, Red, Outdoor (includes plastic weatherproof back box)
Accessories	
SA-WBB	Red, Metal Weatherproof Back Box
SA-WBBW	White, Metal Weatherproof Back Box

Notes:
* Add "-P" to model number for plain housing (no "FIRE" marking on cover), e.g., P2RK-P.
† Add "-R" to model number for weatherproof replacement device (no back box included), only for use with weatherproof outdoor flush mounting plate, WTP and WTPW.
"Standard cd" refers to strobes that include 15, 15/75, 30, 75, 95, 110, and 115 candela settings. "High cd" refers to strobes that include 135, 150, 177, and 185 candela settings. **When replacing standard outdoor units both the device and back box must be replaced.**

SYSTEM SENSOR®

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Phone: 800-SENSOR2 • Fax: 630-377-6495

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Product specifications subject to change without notice. Visit systemsensor.com for current product information, including the latest version of this data sheet.
AVDS01201 • 3/12

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

LISTING No.:	7135-1653:0189
CATEGORY:	7135 - AUDIBLE DEVICES
LISTEE:	System Sensor, Unincorporated Div of Honeywell Int'l Inc. 3825 Ohio Ave, St. Charles, IL, 60174 Contact: Brant,Lisa (203) 484-6105 (203) 484-7309 Email: lisa.brant@honeywell.com
DESIGN:	Models HR, HW Horns and CHR, CHW chimes. Intended for indoor use only unless otherwise indicated. Models may be followed by the suffix “K” indicating indoor or outdoor use. “K” suffice models are suitable for outdoor applications at temperatures from -40°F to +151°F (-40°C to +66°C) and are rated NEMA *4X when used with the System Sensor weather proof back boxes models SA-WBB (Wall), *SA-WBBW (Wall), SA-WBBC (Ceiling) and *SA-WBBCW (Ceiling). Models CHR and CHW are intended for private mode use only. Suitable for wall or ceiling mount. Refer to listee's data sheet for additional detailed product description and operational considerations.
RATING:	8 - 17.5 or 16-33 Vdc/VFWR
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances, and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, electrical rating, and UL label.
APPROVAL:	Listed as audible devices when used with separately listed compatible fire alarm control units. Units can generate the distinctive three-pulse Temporal Pattern Fire Alarm Evacuation Signal (for total evacuation) in accordance with NFPA 72, 2002 Edition. Refer to listee’s Installation Instruction Manual for details.
NOTES:	

*Rev 12-01-08 bh

This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 04/21/2023

Listing Expires: 06/30/2024

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

Authorized By: **David Castillo**, Program Coordinator
Fire Engineering & Investigations Division

Indoor Selectable-Output Strobes and Horn Strobes for Ceiling Applications

System Sensor L-Series audible visible notification products are rich with features guaranteed to cut installation times and maximize profits with lower current draw and modern aesthetics.



Features

- Plug-in design with minimal intrusion into the back box
- Tamper-resistant construction
- Automatic selection of 12- or 24-volt operation at 15 and 30 candela
- Field-selectable candela settings on ceiling units: 15, 30, 75, 95, 115, 150, and 177
- Horn rated at 88+ dBA at 16 volts
- Rotary switch for horn tone and two volume selections
- Universal mounting plate for ceiling units
- Mounting plate shorting spring feature checks wiring continuity before device installation
- Electrically Compatible with legacy SpectrAlert and SpectrAlert Advance devices
- Compatible with MDL3 sync module
- Listed for ceiling mounting only

The System Sensor L-Series offers the most versatile and easy-to-use line of horns, strobes, and horn strobes in the industry with lower current draws and modern aesthetics. With white and red plastic housings, wall and ceiling mounting options, System Sensor L-Series can meet virtually any application requirement.

The entire L-Series product line of ceiling-mount strobes and horn strobes include a variety of features that increase their application versatility while simplifying installation. All devices feature a plug-in design with minimal intrusion into the back box, making installations fast and foolproof while virtually eliminating costly and time-consuming ground faults.

To further simplify installation, the L-Series utilizes a universal mounting plate so installers can mount them to a wide array of back boxes. With an onboard shorting spring, installers can test wiring continuity before the device is installed.

Installers can also easily adapt devices to a suit a wide range of application requirements using field-selectable candela settings, automatic selection of 12- or 24-volt operation, and a rotary switch for horn tones with two volume selections.

Agency Listings

SIGNALING UL LISTED
S5512
S4011

FM APPROVED
FM approved except for ALERT models
3057383

7125-1653:0504
7135-1653:0503

L-Series Specifications

Architect/Engineer Specifications

General

L-Series ceiling-mount strobes and horn strobes shall mount to a standard 4 × 4 × 1½-inch back box, 4-inch octagon back box, or double-gang back box. Two-wire products shall also mount to a single-gang 2 × 4 × 17⁄8-inch back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit wiring shall terminate at the universal mounting plate. Also, L-Series products, when used with the Sync•Circuit™ Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync•Circuit Module, 12-volt-rated notification appliance circuit outputs shall operate between 8.5 and 17.5 volts; 24-volt-rated notification appliance circuit outputs shall operate between 16.5 and 33 volts. Indoor L-Series products shall operate between 32 and 120 degrees Fahrenheit from a regulated DC or full-wave rectified unfiltered power supply. Ceiling strobes and horn strobes shall have field-selectable candela settings including 15, 30, 75, 95, 115, 150, and 177.

Strobe

The strobe shall be a System Sensor L-Series Model _____ listed to UL 1971 and shall be approved for fire protective service. The strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

Horn Strobe Combination

The horn strobe shall be a System Sensor L-Series Model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service. The horn strobe shall be wired as a primary-signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have two audibility options and an option to switch between a temporal three pattern and a non-temporal (continuous) pattern. These options are set by a multiple position switch. The horn on horn strobe models shall operate on a coded or non-coded power supply.

Synchronization Module

The module shall be a System Sensor Sync•Circuit model MDL3 listed to UL 464 and shall be approved for fire protective service. The module shall synchronize L-Series strobes at 1 Hz and horns at temporal three. Also, while operating the strobes, the module shall silence the horns on horn strobe models over a single pair of wires. The module shall mount to a 4 11⁄16 × 4 11⁄16 × 2 1⁄8-inch back box. The module shall also control two Style Y (class B) circuits or one Style Z (class A) circuit. The module shall synchronize multiple zones. Daisy chaining two or more synchronization modules together will synchronize all the zones they control. The module shall not operate on a coded power supply.

Physical/Electrical Specifications	
Standard Operating Temperature	32°F to 120°F (0°C to 49°C)
Humidity Range	10 to 93% non-condensing
Strobe Flash Rate	1 flash per second
Nominal Voltage	Regulated 12 VDC or regulated 24 DC/FWR[1]
Operating Voltage Range[2]	8 to 17.5 V (12 V nominal) or 16 to 33 V (24 V nominal)
Operating Voltage Range (MDL3)	8.5 to 17.5V (12 V nominal) or 16.5 to 33 V (24V nominal)
Input Terminal Wire Gauge	12 to 18 AWG
Ceiling-Mount Dimensions (including lens)	6.8" diameter × 2.5" high (173 mm diameter × 64 mm high)
Ceiling-Mount Surface Mount Back Box Skirt Dimensions (SBBCRL, SBBCWL)	6.9" diameter x 3.4" high (175 mm diameter x 86 mm high)

Notes:

1. Full Wave Rectified (FWR) voltage is a non-regulated, time-varying power source that is used on some power supply and panel outputs.
2. P, S, PC, and SC products will operate at 12 V nominal only for 15 and 30 cd.

UL Current Draw Data

UL Max. Strobe Current Draw (mA RMS)

		8–17.5 Volts	16–33 Volts	
	Candela	DC	DC	FWR
Candela Range	15	87	41	60
	30	153	63	86
	75	N/A	111	142
	95	N/A	134	164
	115	N/A	158	191
	150	N/A	189	228
	177	N/A	226	264

UL Max. Horn Current Draw (mA RMS)

		8–17.5 Volts	16–33 Volts	
Sound Pattern	dB	DC	DC	FWR
Temporal	High	39	44	54
Temporal	Low	28	32	54
Non-Temporal	High	43	47	54
Non-Temporal	Low	29	32	54
3.1 KHz Temporal	High	39	41	54
3.1 KHz Temporal	Low	29	32	54
3.1 KHz Non-Temporal	High	42	43	54
3.1 KHz Non-Temporal	Low	28	29	54
Coded	High	43	47	54
3.1 KHz Coded	High	42	43	54

UL Max. Current Draw (mA RMS), Ceiling Horn Strobe, Candela Range (15–177 cd)

	8–17.5 Volts		16–33 Volts						
DC Input	15cd	30cd	15cd	30cd	75cd	95cd	115cd	150cd	177cd
Temporal High	103	167	71	90	143	165	187	217	254
Temporal Low	96	165	54	71	137	161	185	211	249
Non-Temporal High	106	173	71	90	141	165	187	230	273
Non-Temportal Low	95	166	54	71	124	161	170	216	258
3.1K Temporal High	111	164	69	94	147	163	184	229	257
3.1K Temporal Low	103	163	54	88	143	155	185	212	252
3.1K Non-Temporal High	111	172	69	94	144	164	202	229	271
3.1K Non-Temporal Low	103	169	54	88	131	155	187	217	259

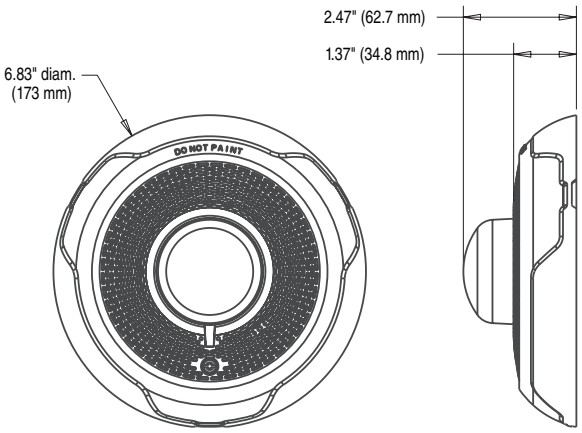
	16–33 Volts						
FWR Input	15cd	30cd	75cd	95cd	115cd	150cd	177cd
Temporal High	107	135	179	198	223	254	286
Temporal Low	78	101	151	172	199	229	262
Non-Temporal High	107	135	179	198	223	254	286
Non-Temportal Low	78	101	151	172	199	229	262
3.1K Temporal High	108	135	179	200	225	255	289
3.1K Temporal Low	79	101	150	171	196	229	260
3.1K Non-Temporal High	108	135	179	200	225	255	289
3.1K Non-Temporal Low	79	101	150	171	196	229	260

Horn Strobe Tones and Sound Output Data

Horn Strobe Output (dBA)

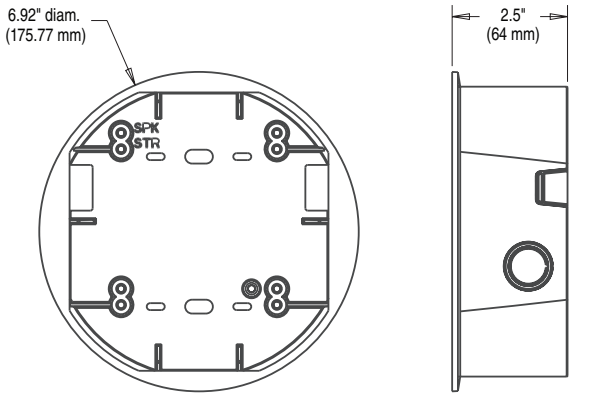
			8–17.5 Volts	16–33 Volts	
Switch Position	Sound Pattern	dB	DC	DC	FWR
1	Temporal	High	84	89	89
2	Temporal	Low	75	83	83
3	Non-Temporal	High	85	90	90
4	Non-Temporal	Low	76	84	84
5	3.1 KHz Temporal	High	83	88	88
6	3.1 KHz Temporal	Low	76	82	82
7	3.1 KHz Non-Temporal	High	84	89	89
8	3.1 KHz Non-Temporal	Low	77	83	83

L-Series Dimensions



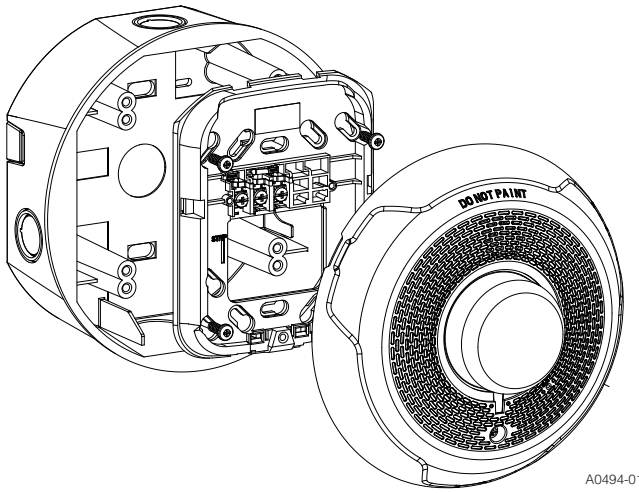
A0545-00

Ceiling-Mount Horn Strobes



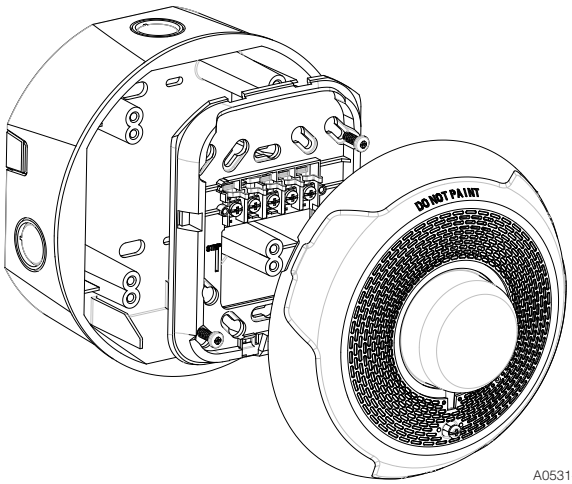
A0546-00

Ceiling Surface Mount Back Box



A0494-01

2-Wire Ceiling Mount Horn Strobes with Ceiling Surface Mount Back Box



A0531-01

4-Wire Ceiling Mount Horn Strobes with Ceiling Surface Mount Back Box

L-Series Ordering Information

Model	Description
Ceiling Horn Strobes	
PC2RL	2-Wire, Horn Strobe, Red
PC2WL	2-Wire, Horn Strobe, White
PC4RL	4-Wire, Horn Strobe, Red
PC4WL	4-Wire, Horn Strobe, White

Model	Description
Ceiling Strobes	
SCRL	Strobe, Red
SCWL	Strobe, White
SCWL-CLR-ALERT	Strobe, White, ALERT
Accessories	
TRC-2	Universal Ceiling Trim Ring Red
TRC-2W	Universal Ceiling Trim Ring White
SBBCRL	Ceiling Surface Mount Back Box, Red
SBBCWL	Ceiling Surface Mount Back Box, White

For a ceiling-listed horn-only device, see AVDS865 “Indoor Selectable-Output Horns, Strobes, and Horn Strobes for Wall Applications”.

SYSTEM SENSOR®

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AVDS868-02 • 12/01/2017

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

LISTING No.:	7135-1653:0503
CATEGORY:	7135 - AUDIBLE DEVICES
LISTEE:	System Sensor, Unincorporated Div of Honeywell Int'l Inc. 3825 Ohio Ave, St. Charles, IL, 60174 Contact: Brant,Lisa (203) 484-6105 (203) 484-7309 Email: lisa.brant@honeywell.com
DESIGN:	System Sensor Indoor 2-wire and *4-wire Models: HWL, HRL, HGWL and HGRL Horns; CHWL and CHRL Chimes; P2RL, P2WL, P2GRL, P2GWL, P2RL-P, P2WL-P, P2RL-SP, P2WL-SP, *P4RL and *P4WL Wall Horn Strobes; PC2RL, PC2WL, *PC4RL and *PC4WL Ceiling Horn Strobes; CHSRL and CHSWL Wall Chime Strobes; CHSCRL and CHSCWL Ceiling Chime Strobes; Wall Bezel Parts: BZR-F, BZR-AL, BZR-AG, BZR-EV, BZR-P, BZR-SP, BZR-PG, BZW-F, BZW-AL, BZW-AG, BZW-EV, BZW-P, BZW-SP, BZW-PG, BZGR-F, BZGR-AL, BZGR-AG, BZGR-EV, BZGR-P, BZGR-SP, BZGR-PG, BZGW-F, BZGW-AL, BZGW-AG, BZGW-EV, BZGW-P, BZGW-SP and BZGW-PG, Ceiling Bezel Parts: BZRC-F, BZRC-AL, BZRC-AG, BZRC-EV, BZRC-P, BZRC-SP, BZRC-PG, BZWC-F, BZWC-AL, BZWC-AG, BZWC-EV, BZWC-P, BZWC-SP and BZWC-PG. Color Lens: LENS-A2, LENS-B2, LENS-G2, LENS-R2, LENS-AC2, LENS-BC2, LENS-GC2 and LENS-RC2. WallTrim Rings: *TR-2 and *TR-2W

LISTING SERVICE

	CeilingTrim Rings: *TRC-2 and *TRC-2W. Wall Surface Mounted Back Boxes: SBBRL, SBBGRL, SBBWL and SBBGWL, Ceiling Surface Mounted Back Boxes: SBBCRL and SBBCWL MP120KL 120 VAC Adapter Mounting Plate Refer to listee's data sheet for detailed product description and operational considerations.
RATING:	12 VDC regulated and 24 VDC/FWR
INSTALLATION:	In accordance with listee's printed installation instructions, NFPA 72, applicable codes & ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model number, electrical rating, and UL label.
APPROVAL:	Listed as audible devices when used with separately listed compatible fire alarm control units. Suitable for indoor use, wall or ceiling mounted. Authority having jurisdiction should be consulted prior to installation. Refer to listee's Installation Instruction Manual for details.
NOTES:	

Revision 08-21-2017 dcc

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CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

Date Issued: 04/21/2023

Listing Expires: 06/30/2024

Authorized By: **David Castillo**, Program Coordinator
Fire Engineering & Investigations Division

Addressable Devices

Velociti® Series AOM-2SF

Addressable Output Relay Supervised Control Module

General

The Gamewell-FCI Velociti® Series addressable output supervised control module (AOM-2SF) allows a Gamewell-FCI analog addressable fire alarm control panel to switch an external power supply, such as a DC supply or audio amplifier (up to 80 V_{RMS}) to notification appliances. The AOM-2SF notification appliance circuit can be wired either Class A (Style Z) or Class B (Style Y). It also supervises the wiring to the connected loads and reports their status to the panel as NORMAL, OPEN or SHORT CIRCUIT. The module contains a panel controlled LED.



AOM-2SF

The Velociti® Series use a communication protocol that substantially increases the speed of communication between the SLC devices and certain Gamewell-FCI analog addressable fire alarm control panels. These devices operate in a grouped fashion. If one of the devices in the group has a status change, the panel's microprocessor stops the group poll and concentrates on the single device. The net result is a superior response speed up to five times greater than the earlier designs.

The AOM-2SF module is designed for installation in the signaling line circuit of any Gamewell-FCI analog addressable fire alarm control panel. The signaling line circuits of Gamewell-FCI analog addressable fire alarm control panels are designed to accommodate up to 159 modules per circuit. The AOM-2SF is designed to mount in a 4" (10.16 cm) square junction box 2 1/8" (5.5 cm) deep.

Table 1 lists the relay contact ratings.

Current Rating	Maximum Voltage	Load Description	Application
3A	30 VDC	Resistive	Non-Coded
2A	30 VDC	Resistive	Coded
0.9A	110 VDC	Resistive	Non-Coded
0.5A	125 VAC	Resistive	Non-Coded
0.5A	30 VDC	Inductive (L/R=5ms)	Coded
1A	30 VDC	Inductive (L/R=2ms)	Coded
0.5A	125 VAC	Inductive (PF=.35)	Non-Coded
0.7A	75 VAC	Inductive	Non-Coded

Table 1: Relay Contact Ratings

Ordering Information

AOM-2SF: Addressable output supervised control module

FEATURES & BENEFITS

- Listed under UL® Standard 864 and UL2572 for Mass Notification
- Designed as a compact size to allow easy installation
- Includes Class A, Style Z, or Class B, Style Y notification appliance circuit
- Accommodates audio amplifiers up to 80 V_{RMS}
- FM Listed as suitable for a releasing device service
- Includes a bi-color LED that flashes green whenever the module is addressed, and lights steady red upon activation*

*Note 1: Only the red LED is operative in panels that do not operate in Velociti® mode
*Note 2: The bi-color LED functionality is not available on the GWF-7075 panel.

Velociti® Series AOM-2SF Technical Specifications

SYSTEM

Supervisory Current: 0.00375 amps
Alarm Current: .0065 amps
Operating Temperature: 32° to 120° F (0° to 49° C)
Relative Humidity: 10 to 93% relative humidity (non-condensing)
Dimensions: 4 1/2" H x 4" W x 1 1/4" D
(11.4 H x 10.2 W x 3.2 D cm)

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

STANDARDS

The Velociti Series AOM-2SF are designed to comply with the following standard:

UL Standards: UL 864 9th Edition

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

UL: S1949
FM: 3023594
MEA FDNY: 227-03-E Vol. IV
CSFM: 7300-1703:0102
ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit: http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx

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UL® is a registered trademark of Underwriters Laboratories Inc.
This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For more information
Learn more about Gamewell-FCI's Velociti® Series AOM-2SF and other products available by visiting www.Gamewell-FCI.com

Honeywell Gamewell-FCI
12 Clintonville Road
Northford, CT 06472-1610
203.484.7161
www.honeywell.com

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CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING & INVESTIGATIONS DIVISION
BUILDING MATERIALS LISTING PROGRAM

LISTING SERVICE

LISTING No.:	7300-1703:0102
PARENT LISTING No.:	7300-1653:0103
CATEGORY:	7300 - FIRE ALARM CONTROL UNIT ACCESSORIES/MISC. DEVICES
LISTEE:	GAMEWELL-FCI 12 Clintonville Road, Northford, CT, 06472 Contact: Brant, Lisa (203) 484-6105 Email: lisa.brant@honeywell.com
DESIGN:	Models AMM-4, *AMM-4F, AMM-2 and *AMM-2F monitor modules and Models AOM, AOM-2, AOM-2R, *AOM-2RF, AOM-2S and *AOM-2SF control modules. Refer to listee's data sheet for detailed product description and operational considerations.
RATING:	
INSTALLATION:	In accordance with listee's printed installation instructions, applicable codes and ordinances and in a manner acceptable to the authority having jurisdiction.
MARKING:	Listee's name, model designation, electrical rating and UL label.
APPROVAL:	Listed as accessories for use with separately listed compatible control units. System Sensor Model SMB500 surface mount box (CSFM Listing No. 7300-1653:103) may be used as an enclosure for these modules
NOTES:	FORMERLY: 7300-0694:178

12-4-07

This listing is based upon technical data submitted by the applicant. OSFM Fire Engineering staff has reviewed the test resultsand/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria.Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: 05/05/2023

Listing Expires: 06/30/2024

Authorized By: **David Castillo** , Program Coordinator
Fire Engineering & Investigations Division

Vallecitos School District
5211 Fifth Street • Rainbow, CA 92028 • (760) 728-7092 • FAX (760) 728-7712
"A community school where we learn to achieve our dreams"

BID NUMBER 25/26-001

Vallecitos SD – New Portable Bldg Project

Bid Submittal / Opening Date: August 15, 2025 at 1:00 PM Vallecitos School District 5211 5th Street Fallbrook CA, 92028

Event	Date
Advertisement Dates	07/31/2025 and 08/07/2025
Mandatory Job Walk	08/08/2025 @10:00am
Questions from Bidders Due (in writing)	08/12/2025 by 3:00 PM
Addendum(s) and Responses to Bidders	08/13/2025 by 1:00 PM
Bid Opening	08/15/2025 at 1:00 PM
Protest Deadline	08/20/2025 by 1:00 PM
Award of Bid at Board Meeting	09/09/2025
NTP & Contract Start Date	09/22/2025
Contract Completion Date	06/30/2026

MANDATORY PRE-BID CONFERENCE & SITE WALK

DATE: August 08, 2025 @ 10:00

A.M. LOCATION: Vallecitos School

District ADDRESS: 5211 5th Street
Fallbrook CA, 92028

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NOTICE INVITING BIDS

NOTICE IS HEREBY GIVEN that Vallecitos School District, of San Diego County, California, hereinafter referred to as the VSD, will receive up to, but not later than **1:00 o'clock p.m. of the 15th day of August, 2025** sealed bids for the award of contract;

Vallecitos SD New Portable Bldg Project
25/26-001

Bids shall be received in the Vallecitos School District Administration Office Building, Board Room, Vallecitos School District, 5211 5th Street, Fallbrook, CA 92028, and shall be opened and publicly read aloud at the above-stated time and place.

Project Estimate**: $210,000.00**

Description of Work: The project includes Site Work, Asphalt, Handrails, Fire Alarm, Electrical and Low Voltage connections to owner provided and installed Portable Classroom Building. Signage and ADA upgrades to existing restroom building.

Each bid must conform and be responsive to this invitation and the Contract Documents and all plans, specifications and any other documents comprising the pertinent Documents, copies of which are now on file and may be obtained on/after **July 31, 2025** at the following link: https://www.vallecitossd.net/facilities

Electronic plans are also available at the following plan room(s): AGC

A **MANDATORY** job walk site visit has been scheduled for **August 8, 2025 at 10:00 am** at the location provided below. All potential bidders must arrive by **10:10 am** or will be considered non-responsive.

All Questions and Requests for Clarification will only be accepted in writing via e-mail to ATTN: Meliton Sanchez, Project Manager msanchez@vallecitossd.net and must be received no later than **3:00 p.m. August 12, 2025.**

Bids must be submitted on the Bid form provided by the Vallecitos School District and included in the bid documents. Each bid must strictly conform with and be responsive to this Notice Calling for Bids, the Information for Bidders, and other Contract Documents. District reserves the right to reject any or all bids or to waive any irregularities or informalities in any bids or in the bidding.

Except as provided in Public Contract Code Section 5100 *et seq*. no bidder may withdraw a bid for a period of sixty (60) calendar days after the opening of the bids.

Each bidder shall be registered as a public works contractor with the Department of Industrial Relations pursuant to the Labor Code. The bidders registration must remain active throughout the term of the contract.

Each bid shall be submitted on the bid form provided in the bid documents. Each bid shall be accompanied by a satisfactory Bid Bond executed by the bidder and Surety Company, or certified check, or cashiers check in favore of the Vallecitos School District, or cash, in an amount equal to ten percent (10%) of the bid. Said Bid Bond shall be given to guarantee that the bidder will execute the Contract as specified.

In contracts involving expenditure in excess of $25,000.00, Civil Code section 3247(a), the successful bidder shall file a payment bond issued by an admitted Surety approved to conduct business in the State of California approved by Vallecitos School District in the form set forth in the contract documents.

The successful bidder will be required to provide both a performance bond and a separate payment bond, each in an amount equal to 100% of the total contract amount. The forms of the bonds are set forth in the Contract Documents and all bonds must be issued by a California-admitted surety as defined in California Code of Civil Procedure Section 995.120.

The class of California contractor's license(s) required in order to bid on and perform the contract for this Project is: **"A" or "B"**

MANDATORY PRE-BID CONFERENCE & SITE WALK

DATE: August 8, 2025 @ 10:00 AM
Contractors shall arrive at the location below by 10:10 am
LOCATION: Vallecitos School District
5211 5th Street
Fallbrook, CA 92028

END OF DOCUMENT

INFORMATION FOR BIDDERS

1. DEFINITIONS

AUTHORITY: The Authority awarding this contract is the Vallecitos School District. **OWNER/PROJECT OWNER**: The Owner is the owner of the property receiving the improvement, in this case the **Vallecitos School District.**

2. AVAILABILITY OF CONTRACT DOCUMENTS

Bids must be submitted to the Authority on the Bid Forms which are a part of the Bid Package for the Project. Contract Documents may be obtained from https://www.vallecitossd.net/facilities at the time(s) indicated in the Notice Inviting Bids. Any applicable charges for the Contract Documents are outlined in the Notice Inviting Bids.
As required by Public Contract Code Section 20103.7, the Authority shall also make an electronic version of the Contract Documents available for review at one or more plan rooms, as indicated in the Notice Inviting Bids.

3. EXAMINATION OF CONTRACT DOCUMENTS

The Authority has made copies of the Contract Documents available, as indicated above. Bidders shall be solely responsible, at its own expense and prior to submitting its bid, for examining the Project Site and the Contract Documents, including any Addenda issued during the bidding period, and for informing itself with respect to local labor availability, means of transportation, necessity for security, laws and codes, local permit requirements, wage scales, local tax structure, contractors' licensing requirements, availability of required insurance, and other factors that could affect the Work. Bidders are responsible for consulting the standards referenced in the Contract. Failure of Bidder to receive and so examine and inform itself shall be at its sole risk, and no relief for error or omission will be given except as required under State law.

4. INTERPRETATION OF CONTRACT DOCUMENTS

Discrepancies in, and/or omissions from the Plans, Specifications or other Contract Documents or questions as to their meaning shall be immediately brought to the attention of the Authority by submission of a written request for an interpretation or correction to the District Project Manager Meliton Sanchez, msanchez@vallecitossd.net. The person submitting the request for interpretation or correction is responsible for its prompt delivery. The final date for submittal of requests for interpretation or correction, if any, shall be specified in the Notice Inviting Bids.

Any interpretation of the Contract Documents will be made only by written addenda duly issued and mailed or delivered to each person or firm who has purchased a set of Contract Documents. The Authority will not be responsible for any explanations or interpretations provided in any other manner. No person is authorized to make any oral interpretation of any provision in the Contract Documents to any bidder, and no bidder should rely on any such oral interpretation.

Bids shall include complete compensation for all items that are noted in the Contract Documents as the responsibility of the Contractor.

5. CONTRACTOR PREQUALIFICATION

Each prospective bidder shall have prior direct experience in performing the necessary utilityinstallations of new Owner Furnished Portable Buildings. Each prospective bidder must have installed the utilities for a minimum of (5) such 24'x40' and/or 48'x40' portable classroom building projects over the past (5) years in the State of California. Contractor shall submit previous experience and references on the Project Prequalification of Bidders forms provided within this bid package.

6. INSPECTION OF SITE; PRE-BID CONFERENCE AND SITE WALK

Each prospective bidder is responsible at its own expense for fully acquainting itself with the conditions of the Project Site (which may include more than one site), as well as those relating to the construction and labor of the Project, to fully understand the facilities, difficulties and restrictions which may impact the cost or effort required to complete the Project. To this end, a Pre-Bid Conference and Site Walk will be held on the date(s) and time(s) indicated in the Notice Inviting Bids. Storm, surface, nuisance, or other waters may be encountered at various times during construction of the Project. Federal and State laws require the Authority and its contractors to appropriately manage such waters pursuant to the requirements of California State Water Resources Control Board Order Number 2009-0009-DWQ, the Federal Clean Water Act, and the California Porter Cologne Water Quality Control Act. By submitting a Bid, each bidder acknowledges that it has investigated the risk arising from such waters, has prepared its Bid accordingly, and assumes any and all risks and liabilities arising therefrom.

7. ADDENDA

The Authority reserves the right to revise the Contract Documents prior to the bid opening date. Revisions, if any, shall be made by written Addenda. All addenda issued by the Authority shall be included in the bid and made part of the Contract Documents. Pursuant to Public Contract Code Section 4104.5, if the Authority issues an Addendum which includes material changes to the Project less than 72 hours prior to the deadline for submission of bids, the Authority will extend the deadline for submission of bids. The Authority may determine, in its sole discretion, whether an Addendum warrants postponement of the bid submission date. Each prospective bidder shall provide Authority a name, address and email address to which Addenda may be sent, as well as a telephone number by which the Authority can contact the bidder. Copies of Addenda will be furnished by via email or other proper means of delivery without charge to all parties who have obtained a copy of the Contract Documents and provided such current information. Please Note: Bidders are responsible for ensuring that they have received any and all Addenda. Each bidder's bid form shall acknowledge receipt, understanding and full consideration of all Addenda. To this end, each bidder should contact the Authority to verify that he has received all Addenda issued, if any, prior to the bid opening. Failure to acknowledge receipt of all Addenda may result in rejection of the bid

8. ALTERNATE BIDS

If alternate bid items are called for in the Contract Documents, the lowest bid will be determined on the basis of the base bid only, unless otherwise specified in the Notice Inviting Bids. The time required for completion of the alternate bid items has been factored into the Contract duration and no additional Contract time will be awarded for any of the alternate bid items. The Authority may elect to include one or more of the alternate bid items, or to otherwise remove certain work from the Project scope of work, accordingly each Bidder must ensure that each bid item contains a

proportionate share of profit, overhead and other costs or expenses which will be incurred by the Bidder.

9. COMPLETION OF BID FORMS

Bids shall only be prepared using copies of the Bid Forms which are included in the Contract Documents. The use of substitute bid forms other than clear and correct photocopies of those provided by the Authority will not be permitted. Bids shall be executed by an authorized signatory as described in these Information for Bidders. In addition, Bidders shall fill in all blank spaces (including inserting "N/A" where applicable) and initial all interlineations, alterations, or erasures to the Bid Forms. Bidders shall neither delete, modify, nor supplement the printed matter on the Bid Forms nor make substitutions thereon. USE OF BLACK OR BLUE INK, INDELIBLE PENCIL OR A TYPEWRITER IS REQUIRED. Deviations in the bid form may result in the bid being deemed non-responsive. Bidders should not deface or mutilate the bid documents to the extent that they may not be usable for construction purposes.

10. MODIFICATIONS OF BIDS

Each Bidder shall submit its Bid in strict conformity with the requirements of the Contract Documents. Unauthorized additions, modifications, revisions, conditions, limitations, exclusions or provisions attached to a Bid may render it non-responsive and may cause its rejection. Bidders shall neither delete, modify, nor supplement the printed matter on the Bid Forms, nor make substitutions thereon. Oral, telephonic and electronic modifications will not be considered, unless the Notice Inviting Bids authorizes the submission of electronic bids and modifications thereto and such modifications are made in accordance with the Notice Inviting Bids.

11. DESIGNATION OF SUBCONTRACTORS

Pursuant to State law, the Bidders must designate on the form provided herein, and submit with their Bid, the name and location of each subcontractor who will perform work or render services for the Bidder in an amount that exceeds one-half of one percent (1/2%) of the Bidder's Total Bid Price, as well as the portion of work each such subcontractor will perform on the form provided herein by the Authority. If requested by the Authority, Bidders are required to submit the phone number, license number and license expiration date of each subcontractor listed in its bid within twenty-four (24) hours of bid opening. No additional time will be provided to bidders to submit any of the information requested in this subsection.

12. ANTI-DISCRIMINATION.

It is the policy of the Authority that in connection with all work performed under contracts, there be no discrimination against any prospective or active employees engaged in the work because of race, color, ancestry, national origin, religious creed, sex, age or marital status. The successful bidder agrees to comply with applicable Federal and California laws including, but not limited to, the California Fair Employment Practice Act, beginning with Government Code 12900, and Labor Code 1735. In addition, the successful bidder agrees to require like compliance by any subcontractors employed on the work by him.

13. Stormwater Pollution Prevention Program

The successful bidder shall be solely responsible for preparing and implementing a Storm Water Pollution Prevention Program (SWPPP) prior to initiating work. The successful bidder shall be responsible for implementing the SWPPP, including standard provisions, implementing best management practices (BMP), inspections, monitoring and reporting requirements. The successful bidder will also be responsible for updating the SWPPP as needed, including providing a Qualified SWPPP Developer (QSD) to prepare any necessary updates. It shall be the responsibility of all bidders to include within their bids the cost of complying with the SWPPP and any necessary revisions to the SWPPP.

Included in the bid package is the SWPPP plan to follow. Contractor is required to submit a weekly QSP report, including results of inspections and moniroting required by the SWPPP, during the course of the project.

Contractor shall enter inspections and monitoring data into SMARTS upon being granted access as a data submitter. Contractor will also prepare required annual reports for the State Construction General Permit and the Notice of Termination (NOT) at the end of the project and enter the applicable information in SMARTS. The project owner will be responsible for certifying and submitting annual reports and the NOT.

LICENSING REQUIREMENTS

Pursuant to Section 7028.15 of the Business and Professions Code and Section 3300 of the Public Contract Code, all bidders must possess proper licenses for performance of this Contract at the time of submission of their bid, and must maintain the licenses throughout the duration of the Contract. Subcontractors must possess the appropriate licenses for each specialty subcontracted, including but not limited to all certifications required by the United States Environmental Protection Agency Lead Renovation, Repair, and Paint Rule set forth at Title 40, Part 745 of the Code of Federal Regulations. Pursuant to Section 7028.5 of the Business and Professions Code, the Authority shall consider any bid submitted by a contractor not currently licensed in accordance with state law and pursuant to the requirements found in the Contract Documents to be non-responsive, and the Authority shall reject the Bid. The Authority shall have the right to request, and Bidders shall provide within five (5) calendar days, evidence satisfactory to the Authority of all valid license(s) currently held by that Bidder and each of the Bidder's subcontractors, before awarding the Contract. Failure of a bidder to obtain proper and adequate licensing for an award of a contract shall constitute a failure to execute the contract and may result in forfeiture of the bidder's bid security.

14. SIGNING OF BIDS

All Bids submitted shall be executed by the Bidder or its authorized representative. Bidders may be asked to provide evidence in the form of an authenticated resolution of its Board of Directors or a Power of Attorney evidencing the capacity of the person signing the Bid to bind the Bidder to each Bid and to any Contract arising therefrom.

If a Bidder is a joint venture or partnership, it may be asked to submit an authenticated Power of Attorney executed by each joint venturer or partner appointing and designating one of the joint venturers or partners as a management sponsor to execute the Bid on behalf of Bidder. Only that joint venturer or partner shall execute the Bid. The Power of Attorney shall also: (1) authorize that particular joint venturer or partner to act for and bind Bidder in all matters relating to the Bid;

and (2) provide that each venturer or partner shall be jointly and severally liable for any and all of the duties and obligations of Bidder assumed under the Bid and under any Contract arising therefrom. The Bid shall be executed by the designated joint venturer or partner on behalf of the joint venture or partnership in its legal name.

15. BID SECURITY

Each bid shall be accompanied by: (a) cash; (b) a certified check made payable to the Authority; (c) a cashier's check made payable to the Authority; or (d) a bid bond payable to the Authority executed by the bidder as principal and surety as obligor in an amount not less than 10% of the maximum amount of the bid. Personal sureties and unregistered surety companies are unacceptable. The surety insurer shall be California admitted surety insurer, as defined in Code of Civil Procedure Section 995.120. The cash, check or bid bond shall be given as a guarantee that the bidder shall execute the Contract if it be awarded to the bidder, shall provide the payment and performance bonds and insurance certificates and endorsements as required herein within ten (10) calendar days after notification of the award of the Contract to the bidder. Failure to provide the required documents may result in forfeiture of the bidder's bid deposit or bond to the Authority and the Authority may award the Contract to the next lowest responsible bidder, or may call for new bids.

16. SUBMISSION OF SEALED BIDS

Once the Bid and supporting documents have been completed and signed as set forth herein, they shall be placed, along with the Bid Guarantee and other required materials in an envelope, sealed, addressed and delivered or mailed, postage prepaid to the Authority at the place and to the attention of the person indicated in the Notice Inviting Bids. No oral or telephonic bids will be considered. No forms transmitted via the internet, e-mail, facsimile, or any other electronic means will be considered unless specifically authorized by Authority as provided herein. The envelope shall also contain the following in the lower left-hand corner thereof:

Bid of _____(Bidder's Name)_____
for the VALLECITOS SCHOOL DISTRICT – NEW PORTABLE BUILDING PROJECT at VALLECITOS SCHOOL DISTRICT, Bid Package – 25/26 - 001

Only where expressly permitted in the Notice Inviting Bids, may Bidders submit their bids via electronic transmission pursuant to Public Contract Code Sections 1600 and 1601. The acceptable method(s) of electronic transmission shall be stated in the Notice Inviting Bids. Authority reserves the right to refuse to accept electronically transmitted bids if not specifically authorized in the Notice Inviting Bids, and may reject any bid not strictly complying with Authority's designated methods for delivery.

17. DELIVERY AND OPENING OF BIDS

Bids will be received by the Authority at the address shown in the Notice Inviting Bids up to the date and time shown therein. The Authority will leave unopened any Bid received after the specified date and time, and any such unopened Bid will be returned to the Bidder. It is the Bidder's sole responsibility to ensure that its Bid is received as specified. Bids may be submitted earlier than the dates(s) and time(s) indicated. Bidders are advised that on bid date Authority telephones WILL NOT be available for use by bidders or their representatives.

Bids will be opened at the date and time stated in the Notice Inviting Bids, and the amount of each

Bid will be read aloud and recorded. All Bidders may, if they desire, attend the opening of Bids. The Authority may in its sole discretion, elect to postpone the opening of the submitted Bids. Authority reserves the right to reject any or all Bids and to waive any informality or irregularity in any Bid. In the event of a discrepancy between the written amount of the Bid Price and the numerical amount of the Bid Price, the written amount shall govern.

18. WITHDRAWAL OF BID

Prior to bid opening, a Bid may be withdrawn by the Bidder only by means of a written request signed by the Bidder or its properly authorized representative. Any request to withdraw a bid after bid opening shall be submitted in writing and in accordance with all requirements of Public Contract Code Section 5100 et seq.

19. BASIS OF AWARD; BALANCED BIDS

The Authority shall award the Contract to the lowest responsible Bidder submitting a responsive Bid. The Authority may reject any Bid which, in its opinion when compared to other bids received or to the Authority's internal estimates, does not accurately reflect the cost to perform the Work. The Authority may reject as non-responsive any bid which unevenly weights or allocates costs, including but not limited to overhead and profit to one or more particular bid items.

20. DISQUALIFICATION OF BIDDERS; INTEREST IN MORE THAN ONE BID

No bidder shall be allowed to make, submit or be interested in more than one bid. However, a person, firm, corporation or other entity that has submitted a subproposal to a bidder, or that has quoted prices of materials to a bidder, is not thereby disqualified from submitting a subproposal or quoting prices to other bidders submitting a bid to the Authority. No person, firm, corporation, or other entity may submit subproposal to a bidder, or quote prices of materials to a bidder, when also submitting a prime bid on the same Project.

21. INSURANCE REQUIREMENTS

Prior to commencement of any work under the Contract, the successful bidder shall procure the insurance in the form and in the amount specified in the Contract Documents, from insurers meeting all requirements specified therein.

22. AWARD PROCESS

Once all Bids are opened and reviewed to determine the lowest responsive and responsible Bidder, the Authority may award the contract. The apparent successful Bidder should begin to prepare the following documents: (1) the Performance Bond; (2) the Payment Bond; and (3) the required insurance certificates and endorsements. Once the Authority notifies the Bidder of the award, the Bidder will have ten (10) consecutive calendar days from the date of this notification to execute the Contract and supply the Authority with all of the required documents and certifications. In the event the bidder fails or refuses to post the required bonds, return executed copies of the Contract within ten (10) consecutive calendar days, the Authority may declare the bidder's bid deposit or bond forfeited as damages caused by the failure of the bidder to post the required bonds and execute such copies of the Contract, and may award the Contract to the next lowest responsible bidder, or may call for new bids. Alternatively, the Authority may in its sole discretion extend the time for the bidder to provide the required documents and certifications, however, regardless whether the Bidder supplies the required documents and certifications in a

timely manner, the Contract time will begin to run ten (10) calendar days from the date of the notification. Once the Authority receives all of the properly drafted and executed documents and certifications from the Bidder, the Authority shall issue a Notice to Proceed to that Bidder.

23. CONTRACT PROCEDURES

The Contract Documents contemplate the following procedures upon receipt of bid and the Authority obtaining an appropriation from the State Allocation Board (SAB) (when required):

The Authority will give the successful bidder a notice of award of Contract. The Authority will be bound to enter into the Contract if the SAB apportions funds for the Project, provided that the Project is not placed on the SAB "unfunded list," and the successful bidder does all acts described in subparagraph (2) below.

Following the giving of the notice of award of Contract, the successful bidder shall post the Performance and Payment Bonds, provide certificates of insurance, and other certificates, and return executed copies of bonds and Contracts

24. FILING OF BID PROTESTS

Submitted bids will be timely made available for review upon request of any bidder. Bidders may file a "protest" of a Bid with the Authority's Project Manager. In order for a Bidder's protest to be considered valid, the protest must:

A. Be filed in writing within five (5) calendar days after the bid opening date;

B. Clearly identify the specific irregularity or accusation;

C. Clearly identify the specific Authority staff determination or recommendation being protested;

D. Specify, in detail, the grounds of the protest and the facts supporting the protest; and

E. Include all relevant, supporting documentation with the protest at time of filing.

If the protest does not comply with each of these requirements, it may be rejected without further review.

If the protest is timely and complies with the above requirements, the Authority's Agent, represented by the Superintendent of Vallecitos School District, or other designated Vallecitos School District staff member, shall review the basis of the protest and all relevant information. The Vallecitos School District will provide a written response to the protestor.

25. WORKERS COMPENSATION

Each Bidder shall submit the Contractors Certificate Regarding Workers' Compensation form.

26. PUBLIC WORKS CONTRACTOR REGISTRATION CERTIFICATION

Pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the Department of Industrial Relations. No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work. If awarded a Contract, the Bidder and its subcontractors, of any tier, shall maintain active registration with the Department of Industrial Relations for the duration of the Project. To this end, Bidder shall sign and submit with its Bid the Public Works Contractor Registration Certification on the form provided, attesting to the facts contained therein. Failure to submit this form may render the Bid non-responsive. In addition, each Bidder shall provide the registration number for each listed subcontractor in the space provided in the Designation of Subcontractors Form. Notwithstanding the foregoing, the contractor registration requirements mandated by Labor Code sections 1725.5 and 1771.1 shall not apply to work performed on a public works project that is exempt pursuant to the small project exemption specified in Labor Code sections 1725.5 and 1771.1.

27. SUBSTITUTION OF SECURITY

The Contract Documents call for monthly progress payments based upon the percentage of the work completed. Unless otherwise specified in the Notice Inviting Bids, the Authority will retain five percent (5%) of each progress payment as provided by the Contract Documents. At the request and expense of the successful Bidder, the Authority will substitute securities for the amount so retained in accordance with Public Contract Code Section 22300.

28. PREVAILING WAGES

The Authority has obtained from the Director of the Department of Industrial Relations the general prevailing rate of per diem wages in the locality in which this work is to be performed for each craft or type of worker needed to execute the Contract. These rates are on file and available online at https://www.dir.ca.gov/OPRL/DPreWageDetermination.htm. Bidders are advised that a copy of these rates must be posted by the successful Bidder at the job site(s).

29. DEBARMENT OF CONTRACTORS AND SUBCONTRACTORS

In accordance with the provisions of the Labor Code, contractors or subcontractors may not perform work on a public works project with a subcontractor who is ineligible to perform work on a public project pursuant to Section 1777.1 or Section 1777.7 of the Labor Code. Any contract on a public works project entered into between a contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract. Any public money that is paid to a debarred subcontractor by the Contractor for the Project shall be returned to the Authority. The Contractor shall be responsible for the payment of wages to workers of a debarred subcontractor who has been allowed to work on the Project.

30. PERFORMANCE BOND AND PAYMENT BOND REQUIREMENTS

Within the time specified in the Contract Documents, the Bidder to whom a Contract is awarded shall deliver to the Authority four identical counterparts of the Performance Bond and Payment Bond in the form supplied by the Authority and included in the Contract Documents, which form should be carefully examined by the bidder. Failure to do so may, in the sole discretion of

Authority, result in the forfeiture of the Bid Guarantee. The surety supplying the bond must be an admitted surety insurer, as defined in Code of Civil Procedure Section 995.120, authorized to do business as such in the State of California and satisfactory to the Authority. The Performance Bond and the Payment Bond shall be for one hundred percent (100%) of the Total Bid Price.

31. REQUEST FOR SUBSTITUTIONS

The successful bidder shall comply with the substitution request provisions set forth in the General Conditions and/or Special Conditions, including any deadlines for substitution requests which may occur prior to the bid opening date.

32. SALES AND OTHER APPLICABLE TAXES, PERMITS, LICENSES AND FEES

Contractor and its subcontractors performing work under this Contract will be required to pay California sales tax and other applicable taxes, and to pay for permits, licenses and fees required by the agencies with authority in the jurisdiction in which the work will be located, unless otherwise expressly provided by the Contract Documents.

33. EXECUTION OF CONTRACT

As required herein the Bidder to whom an award is made shall execute the Contract in the form included in the Contract Documents, which should be carefully examined by the bidder. The Authority may require appropriate evidence that the persons executing the Contract are duly empowered to do so.

34. REQUIRED CERTIFICATIONS

Bidders, for all projects involving state funds, are required to submit the “Asbestos-Free Materials Certification.” This form is included in this package and must be signed under the penalty of perjury and dated, and shall be submitted to the Authority in accordance with Section 83 of the General Conditions. The successful bidder shall also execute, under the penalty of perjury and dated, the “Recycled Content Certification” and the “Drug-Free Workplace Certification” included in this package.

Further, by law it is the Authority’s responsibility to determine whether a contractor must provide fingerprint certification. Pursuant to Education Code section 45125.2, the Authority considers the totality of the circumstances in order to determine if fingerprinting of employees of a contractor working on a school site is required. Factors to be considered include the length of time the contractor’s employees are on school grounds, whether students are in proximity with the location where the contractor’s employees are working, and whether the contractor’s employees are working alone or with others. A determination regarding whether fingerprint certification is required is contained in the Special Conditions**.** These forms are included with the bid package and must be signed under the penalty of perjury and dated. The successful bidders shall also be required to hold additional certifications required by the Work, before engaging in the Work. Such certifications may include but are not limited to all certifications required by the United States Environmental Protection Agency Lead Renovation, Repair, and Paint Rule set forth at Title 40, Part 745 of the Code of Federal Regulations. In addition to the above, each bidder shall submit the certification required by the Iran Contracting Act of 2010, Public Contract Code Section 2200 et seq. as provided with the Contract Documents.

35. BID DEPOSIT RETURN.

The Authority will return the security accompanying the bids of all unsuccessful bidders, except as otherwise provided herein, no later than sixty (60) calendar days after award of the Contract.

END OF INFORMATION FOR BIDDERS

BID FORM

NAME OF BIDDER:_____

The undersigned, hereby declare that we have carefully examined the location of the proposed Work, and have read and examined the Contract Documents, including all plans, specifications, and all addenda, if any, for the following Project:

VALLECITOS SCHOOL DISTRICT NEW PORTABLE BUILDING PROJECT at VALLECITOS SCHOOL DISTRICT

We hereby propose to furnish all labor, materials, equipment, tools, transportation, and services, and to discharge all duties and obligations necessary and required to perform and complete the Project in a good and workmanlike manner within the time stipulated for the following TOTAL BID PRICE:

BASE BID PRICE INCLUDES ALL WORK ASSOCIATED WITH DSA APPROVED DOCUMENTS AND SPECIFICATIONS A# 04-123455, GENERAL CONDITIONS AND SPECIAL CONDITIONS for the VALLECITOS SCHOOL DISTRICT NEW PORTABLE BUILDING PROJECT.

ITEM	BID PRICE (IN WRITTEN FORM)	BID PRICE (IN NUMBERS)
BASE BID		
OWNER's CONTINGENCY	TEN THOUSAND & 00/100 DOLLARS	$10,000
TOTAL BASE BID INCLUDING OWNER CONTINGENCY (Basis of Award)		

In case of discrepancy between the written price and the numerical price, the written price shall prevail.

The Contract duration shall commence on the date stated in the Authority's Notice to Proceed, and shall be completed by the Contractor in the time specified in the Contract Documents. In no case shall the Contractor commence construction prior to the date stated in the Authority's Notice to Proceed.

Bidder certifies that it is licensed in accordance with the law providing for the registration of Contractors, License No. _____, Expiration Date _____, class of license _____. If the bidder is a joint venture, each member of the joint venture must include the above information.

Notice of acceptance or requests for additional information provided by the Authority should be addressed to the undersigned at the address stated below:

_____

_____

The names of all persons interested in the foregoing proposal as principals are as follows:

_____

_____

_____

(IMPORTANT NOTICE: If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm, also names of all individual copartners comprising the firm; if bidder or other interested person is an individual, state first and last names in full.)

The undersigned acknowledges receipt, understanding and full consideration of the following addenda to the Contract Documents.

Addenda Numbers: _____
INCLUDE ALL ADDENDUM RECEIVED ON THIS LINE

1. Attached is the required bid security in the amount of not less than 10% of the Total Bid Price.

2. Attached is the completed Designation of Subcontractors form.

3. Attached is the fully executed Non-Collusion Declaration form.

The following forms are required, but may be submitted as directed in the Notice of Intent to Award letter, should the Contractor be so notified in writing following the bid.

4. The completed Bidder Information form. (Within 24 hours of notice)

5. The completed Contractor's Certificate Regarding Workers' Compensation form.

6. The completed Asbestos-Free Materials Certification form, if required.

7. The completed Recycled Content Certification form.

8. The completed Contractor and Subcontractor Fingerprint Certification forms, if required.

9. The completed Drug-Free Workplace Certification form.

10. The completed Public Works Contractor Registration Certification form.

Bidder certifies that it **is / is not** (circle one) DVBE certified. DVBE reference number assigned by the Office of Small Business Certification and Resources is

_____. If bidder is DVBE certified, please attach a copy of the DVBE certification letter.

Bidder certifies that a good faith effort was made to include DVBE firms as subcontractors and suppliers in the bid.

Pursuant to Section 7103.5 of the Public Contract Code submitting a bid to the Authority, the bidder offers and agrees that if the bid is accepted, it will assign to Authority all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder.

I hereby certify under penalty of perjury under the laws of the State of California, that all of the information submitted in connection with this Bid and all of the representations made herein are true and correct.

Name of Bidder _____

Signature _____

Name and Title _____

Dated _____

NOTE: If bidder is a corporation, the legal name of the corporation shall be set forth above together with the signatures of authorized officers or agents and the document shall bear the corporate seal; if bidder is a partnership, the true name of the firm shall be set forth above together with the signature of the partner or partners authorized to sign contracts on behalf of the partnership; and if bidder is an individual, his or her signature shall be placed above.

BID FORM

Business Address: _____

Place of Residence: _____

Telephone: (____) _____

Email Address: _____

CONTRACTOR'S CERTIFICATE REGARDING WORKERS' COMPENSATION

I am aware of the provisions of Section 3700 of the Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract.

Name of Bidder _____

Signature _____

Name _____

Title _____

Dated _____

BID BOND

KNOW ALL MEN BY THESE PRESENTS: THAT we, _____

_____, as Principal, and

_____, as Surety, are held and

firmly bound unto the **VALLECITOS SCHOOL DISTRICT**, hereinafter called Authority, in the penal sum of TEN PERCENT (10%) OF THE TOTAL AMOUNT OF THE BID of the Principal submitted to the said Authority for the work described below for the payment of which sum in lawful money of the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the accompanying bid **25/26-001**, for **VALLECITOS SCHOOL DISTRICT NEW PORTABLE BUILDING** AT **VALLECITOS SCHOOL DISTRICT**.

NOW, THEREFORE. The Principal shall not withdraw said bid within the period specified therein after the opening of the same, or, if no period be specified, within sixty (60) days after said opening; and, if the Principal be awarded the contract, and shall within the period specified therefor, or if no period be specified, within ten (10) consecutive calendar days after the Award of Contract complete the prescribed forms are presented to him for signature enter into a written contract with the Authority in accordance with the bid as accepted and give bond with good and sufficient surety or sureties, as may be required, for the faithful performance and proper fulfillment of such contract and for the payment for labor and materials used for the performance of the contract, or in the event of the withdrawal of said bid within the period specified or the failure to enter into such contract and give such bonds within the time specified. If the Principal shall pay the Authority the difference between the amount specified in said bid and the amount for which the Authority may procure the required work and/or supplies, if the latter amount be in excess of the former, together with all costs incurred by the Authority in again calling for bids, then the above obligation shall be void and of no effect, otherwise to remain In full force and virtue.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract on the call for bids, or to the work to be performed thereunder, or the specifications accompanying the same, shall in anywise affect its obligation under this bond, and It does hereby waive notice of any such change, extension of time, alteration or addition to the terms of said contract or the call for bids, or to the work, or to the specifications.

BID BOND

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their

several seals this _____ day of _____, 20____, the name and corporate seal of each corporate party being hereto affixed and these presents duly assigned by its undersigned representative, pursuant to authority of Its governing body.

(Corporate Seal)

_____
Principal

By _____

Title _____

_____

(Corporate Seal)

Surety

By _____

Attorney-in-Fact

(Attach Attorney-in-Fact Certificate)

Title _____

Notary Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20___, before me, _____, Notary Public,

personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

☐ Individual
☐ Corporate Officer

_____
Title(s)

☐ Partner(s) ☐ Limited ☐ General
☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

_____
_____

DESCRIPTION OF ATTACHED DOCUMENT

_____
Title or Type of Document

_____
Number of Pages

_____
Date of Document

_____
Signer(s) Other Than Named Above

NOTE: This acknowledgment is to be completed for Contractor/Principal.

NOTE: This acknowledgment is to be completed for the Attorney-in-Fact. The Power-of-Attorney to local representatives of the bonding company must also be attached.

Notary Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20___, before me, _____, Notary Public,

personally appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

☐ Individual
☐ Corporate Officer

_____
Title(s)

☐ Partner(s) ☐ Limited ☐ General
☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

_____
_____

DESCRIPTION OF ATTACHED DOCUMENT

_____
Title or Type of Document

_____
Number of Pages

_____
Date of Document

_____
Signer(s) Other Than Named Above

DESIGNATION OF SUBCONTRACTORS

In compliance with the Subletting and Subcontracting Fair Practices Act of the Public Contract Code of the State of California, each bidder shall set forth below: (a) the name and the location of the place of business, (b) the California contractor license number and DIR registration number, and (c) the portion of the work which will be done by each subcontractor who will perform work or labor or render service to the Contractor in or about the construction of the work in an amount in excess of one-half of one percent (1/2%) of the Contractor's Total Bid Price. Notwithstanding the foregoing, if the work involves streets and highways, then the Contractor shall list each subcontractor who will perform work or labor or render service to Contractor in or about the work in an amount in excess of one-half of one percent (1/2%) of the Contractor's Total Bid Price. If requested by the Authority, Bidders are required to submit the phone number, license number and license expiration date of each subcontractor listed in its bid with in twenty-four (24) hours of bid opening. No time extension will be allowed for submission of information required by this document.

If no subcontractor is specified, for a portion of the work, or if more than one subcontractor is specified for the same portion of Work, to be performed under the Contract in excess of one-half of one percent (1/2%) of the Contractor's Total Bid Price or $10,000, whichever is greater if the work involves streets or highways, then the Contractor shall be deemed to have agreed that it is fully qualified to perform that Work, and that it shall perform that portion itself.

Work to be done by Subcontractor	Name of Subcontractor	Location of Business	CSLB Contractor License Number	DIR Registration Number

DESIGNATION OF SUBCONTRACTORS

Work to be done by Subcontractor	Name of Subcontractor	Location of Business	CSLB Contractor License Number	DIR Registration Number

(Additional copies of this page may be used for additional subcontractors as needed.)

Name of Bidder _____

Signature _____

Name and Title _____

Dated _____

DESIGNATION OF DVBE SUBCONTRACTORS

Contractor shall identify each subcontractor that is a certified Disabled Veteran Business Enterprise (DVBE). Contractor shall provide the DVBE Reference Number assigned by the Office of Small Business Certification and Resources for each DVBE subcontractor, and shall attach a copy of the subcontractor's certification letter.

Subcontractor	DVBE Reference Number

PROJECT PREQUALIFICATIONS OF BIDDERS

A. INFORMATION ABOUT BIDDER

The Authority expressly reserves the right to reject the bid of any bidder who, upon investigation, has been determined to fail to complete similar contracts in a timely fashion or in a satisfactory manner. Such rejection would, if applicable, be based upon the principle that the bidder is "non-responsible" and poses a substantial risk of being unable to complete the work in a cost-effective, professional and timely manner.

In performing the above-described responsibility determination, the Authority reserves the right to utilize all possible sources of information in making its determination, including but not limited to: inquiries to regulatory State Boards and agencies; Dun and Bradstreet credit reports, inquiries to companies and public entities for which the contractor has previously performed work, reference checks and examination of all public records. Bidders are advised that failure to complete all required information set forth below may render the bid non-responsive.

The bidder must provide the following information:

[**Indicate not applicable ("N/A") where appropriate.**]

NOTE: Where Bidder is a joint venture, pages shall be duplicated and information provided for all parties to the joint venture.

1.0 Name of Bidder: _____

2.0 Type, if Entity: _____

3.0 Bidder Address: _____

_____

_____

_____

Facsimile Number Telephone Number Email Address

4.0 How many years has Bidder's organization been in business as a Contractor? _____

5.0 How many years has Bidder's organization been in business under its present name? _____

5.1 Under what other or former names has Bidder's organization operated?:_____

6.0 If Bidder's organization is a corporation, answer the following:

6.1 Date of Incorporation: _____

6.2 State of Incorporation: _____

6.3 President's Name: _____

6.4 Vice-President's Name(s): _____

_____

6.5 Secretary's Name: _____

6.6 Treasurer's Name: _____

7.0 If an individual or a partnership, answer the following:

7.1 Date of Organization: _____

7.2 Name and address of all partners (state whether general or limited partnership):

_____

_____

_____

8.0 If other than a corporation or partnership, describe organization and name principals:

_____

_____

9.0 List other states in which Bidder's organization is legally qualified to do business.

_____

_____

_____

10.0 What type of work does the Bidder normally perform with its own forces?

_____

_____

11.0 Has Bidder ever failed to complete any work awarded to it? If so, note when, where, and why:

_____

_____

12.0 Within the last five years, has any officer or partner of Bidder's organization ever been an officer or partner of another organization when it failed to complete a contract? If so, attach a separate sheet of explanation:

_____

_____

13.0 List Trade References:

_____

_____

_____

_____

14.0 List Bank References (Bank and Branch Address):

_____

_____

_____

_____

15.0 Name of Bonding Company and Name and Address of Agent:

_____

_____

_____

B. LIST OF CURRENT PROJECTS (Backlog)

[**Duplicate Page if needed for listing additional current projects.**]

Project (Including contact name & phone #)	Description of Bidder's Work	Completion Date	Cost of Bidder's Work

C. LIST OF COMPLETED PROJECTS - LAST FIVE (5) YEARS THAT MEETS THE PROJECT PREQUALIFICATIONS LISTED IN SECTION 5 OF INFORMATION REQUIRED FOR BIDDERS

[**Duplicate Page if needed for listing additional completed projects.**]

Please include only those projects which are similar enough to demonstrate Bidder's ability to perform the required Work.

Project Client (Including contact name & phone #)	Description of Bidder's Work	Period of Performance	Cost of Bidder's Work

D. EXPERIENCE AND TECHNICAL QUALIFICATIONS QUESTIONNAIRE

Personnel:

The Bidder shall identify the key personnel to be assigned to this project in a management, construction supervision or engineering capacity.

1. List each person's job title, name and percent of time to be allocated to this project:

   _____

   _____

   _____

2. Summarize each person's specialized education:

   _____

   _____

   _____

3. List each person's years of construction experience relevant to the project:

   _____

   _____

   _____

4. Summarize such experience:

   _____

   _____

   _____

Bidder agrees that personnel named in this Bid will remain on this Project until completion of all relevant Work, unless substituted by personnel of equivalent experience and qualifications approved in advance by the Authority.

Additional Bidder's Statements:

If the Bidder feels that there is additional information which has not been included in the questionnaire above, and which would contribute to the qualification review, it may add that information in a statement here or on an attached sheet, appropriately marked:

_____

_____

_____

_____

_____

E. VERIFICATION AND EXECUTION

These Bid Forms shall be executed only by a duly authorized official of the Bidder:

I declare under penalty of perjury under the laws of the State of California that the foregoing information is true and correct:

Name of Bidder _____

Signature _____

Name _____

Title _____

Dated _____

ASBESTOS-FREE MATERIALS CERTIFICATION

The undersigned declares that he or she is the person who executed the bid for the VALLECITOS SCHOOL DISTRICT NEW PORTABLE BUILDING at VALLECITOS SCHOOL DISTRICT (hereinafter referred to as the "Project"), and submitted it to the **VALLECITOS SCHOOL DISTRICT** (hereinafter referred to as "AUTHORITY") on behalf of

_____ (hereinafter referred to as the "Contractor").

To the best of my knowledge, information and belief, in completing the Contractor's Work for the Project, no material furnished, installed or incorporated into the Project will contain, or in itself be composed of, any materials listed by the federal or state EPA or federal or state health agencies as a hazardous material.

Any disputes involving the question of whether or not material installed with asbestos-containing equipment is settled by electron microscopy; the cost of any such tests shall be paid by the Contractor.

All work or materials installed by the Contractor which is found to contain asbestos, or work or material installed with asbestos-containing equipment, will be immediately rejected and this work shall be removed and replaced by the Contractor at no additional cost to the AUTHORITY.

Decontamination and removal of work found to contain asbestos or work installed with asbestos-containing equipment shall be done only under supervision of a qualified consultant, knowledgeable in the field of asbestos abatement and accredited by the Environmental Protection AUTHORITY.

The ASBESTOS REMOVAL CONTRACTOR shall be an EPA accredited contractor qualified in the removal of asbestos and shall be chosen and approved by the Asbestos Consultant who shall have sole discretion and final determination in this matter.

The asbestos consultant shall be chosen and approved by the Construction Manager/Architect or the AUTHORITY who shall have sole discretion and final determination in this matter. The work will be not accepted until asbestos contamination is reduced to levels deemed acceptable by the Asbestos Consultant.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Executed on this _____ day of _____, 20___ at _____.

_____

Name of Contractor (Print or Type)

By _____ _____
Signature Print Name

Notary Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20___, before me, _____, Notary Public, personally

appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.WITNESS my hand and official seal.

_____
Signature of Notary Pubic

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

☐ Individual
☐ Corporate Officer

_____
Title(s)

☐ Partner(s) ☐ Limited ☐ General
☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

_____
_____

DESCRIPTION OF ATTACHED DOCUMENT

_____
Title or Type of Document

_____
Number of Pages

_____
Date of Document

_____
Signer(s) Other Than Named Above

RECYCLED CONTENT CERTIFICATION

The undersigned declares that he or she is the person who executed the bid for the VALLECITOS SCHOOL DISTRICT NEW PORTABLE BUILDING at VALLECITOS SCHOOL DISTRICT (hereinafter referred to as the "Project"), and submitted it to the **VALLECITOS SCHOOL DISTRICT** (hereinafter referred to as "AUTHORITY") on behalf of

_____ hereinafter referred to as the "Contractor").

Pursuant to Public Contract Code Sections 12205 and 22152, all contractors are required to certify in writing under penalty of perjury the minimum (if not exact) percentage of recycled content in materials, goods, or supplies offered or products used in the performance of their contract, regardless of whether the product meets the required recycled product percentage as defined in Public Contract Code Section 12209. The recycled content shall include both post consumer material and secondary material as defined in Public Contract Code Section 12200 shall apply.

I declare under penalty of perjury under the laws of the State of California that the following percentages of Post consumer Material and Secondary Material is in the materials, goods or supplies offered for, or products used in, the performance of the Contract for the Project:

_____ % Post consumer Material _____ % Secondary Material.

Executed on this _____ day of _____, 20___ at _____

_____.

_____
Name of Contractor (Print or Type)

By _____
Signature

_____
Print Name

_____
Title

Notary Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20___, before me, _____, Notary Public, personally

appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. WITNESS my hand and official seal.

_____
Signature of Notary Pubic

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

☐ Individual
☐ Corporate Officer

_____
Title(s)

☐ Partner(s) ☐ Limited ☐ General
☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

_____
_____

DESCRIPTION OF ATTACHED DOCUMENT

_____
Title or Type of Document

_____
Number of Pages

_____
Date of Document

_____
Signer(s) Other Than Named Above

CONTRACTOR & SUBCONTRACTOR FINGERPRINTING REQUIREMENTS

CONTRACTOR CERTIFICATION

With respect to the Contract Number 25/26-001 by and between **VALLECITOS SCHOOL DISTRICT** (hereinafter referred to as "AUTHORITY")

and _____ ("Contractor"), Contractor hereby certifies to the AUTHORITY that it has completed the criminal background check requirements of Education Code Section 45125.1 and that none of its employees that may come in contact with Owner 's pupils have been convicted of a violent felony listed in Penal Code section 667.5(c) or a serious felony listed in Penal Code section 1192.7(c).

_____ _____
Contractor's Representative Date

Print: _____

CONTRACTOR & SUBCONTRACTOR FINGERPRINTING REQUIREMENTS

SUBCONTRACTOR'S CERTIFICATION

The **VALLECITOS SCHOOL DISTRICT** (hereinafter referred to as "AUTHORITY"), entered into Contract 25/26-001, ("Contract"), for services with _____ ("Contractor"). This certification is submitted by _____, a subcontractor to the Contractor for purposes of that Contract ("Subcontractor"). Subcontractor hereby certifies to the AUTHORITY that it has completed the criminal background check requirements of Education Code section 45125.1 and that none of its employees that may come in contact with Owner's pupils have been convicted of a violent felony listed in Penal Code section 667.5(c) or a serious felony listed in Penal Code section 1192.7(c).

_____ _____
Subcontractor's Representative Date

Print: _____

DRUG-FREE WORKPLACE CERTIFICATION

This Drug-Free Workplace Certification form is part of the Contract made by and between the **VALLECITOS SCHOOL DISTRICT** (hereinafter referred to as "AUTHORITY") and

_____

(hereinafter referred to as the "Contractor") for the VALLECITOS SCHOOL DISTRICT NEW PORTABLE BUILDING at VALLECITOS SCHOOL DISTRICT Project (hereinafter referred to as the "Project"). This form is required from all successful bidders pursuant to the Drug-Free Workplace Act of 1990 (Government Code Section 8350 et seq.) The Drug-Free Workplace Act of 1990 requires that every person or organization awarded a contract or grant for procurement of any property or service from any State Agency must certify that it will provide a drug-free workplace by doing certain specified acts. It addition, the Act provides that each contract or grant awarded by a State Agency may be subject to suspension of payments or termination, and the contractor or grantee may be subject to debarment from future contracting, if the contracting Agency determines that specified acts have occurred.

Pursuant to Government Code Section 8355, every person or organization awarded a contract or grant from a State Agency shall certify that it will provide a drug-free workplace by doing all of the following:

A. Publishing a statement notifying employees that the unlawful manufacture, distribution, dispensation, possession or use of a controlled substance is prohibited in their workplace and specifying actions which will be taken against employees for violations of the prohibition;

B. Establishing a drug-free awareness program to inform employees about all of the following:

1. The dangers of drug abuse in the workplace;

2. The person's or organization's policy of maintaining a drug-free workplace;

3. The availability of drug counseling, rehabilitation and employee-assistance programs; and

4. The penalties that may be imposed upon employees for drug abuse violations.

C. Requiring that each employee engaged in the performance of the contract or grant be given a copy of the statement required by subdivision "A," and that, as a condition of employment on the contract or grant, the employee agrees to abide by the terms of the statement.

I, the undersigned, agree to fulfill the terms and requirements of the Drug-Free Workplace Act as it now exists or may hereinafter be amended. Particularly, I shall abide by Government Code Section 8355 when performing the Contract for the Project by:

A. Publishing a statement notifying employees concerning the prohibition of controlled substance at my workplace;

B. Establishing a drug-free awareness program; and

C. Requiring that each employee engaged in the performance of the contract be given a copy of the statement required by Section 8355(a) and agree to abide by the terms of that statement.

I also understand that if the AUTHORITY determines that I have either: (a) made a false certification herein; or (b) violated this certification by failing to carry out the requirements of Section 8355, the Contract awarded herein is subject to termination, suspension of payments, or both. I further understand that if I violate the terms of the Drug-Free Workplace Act of 1990, I may be subject to debarment in accordance with the requirements of the Act.

I acknowledge that I am aware of the provisions of Government Code Section 8350 et seq., and hereby certify that I will adhere to the requirements of the Drug-Free Workplace Act of 1990.

Executed on this _____ day of _____,

20_____ at _____.

_____
Name of Contractor (Print or Type)

By _____
Signature

_____
Print Name

_____
Title

DRUG FREE WORKPLACE CERTIFICATION

Notary Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF _____
On ___, 20___, before me, _____, Notary Public, personally appeared

_____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

☐ Individual
☐ Corporate Officer

_____
Title(s)

☐ Partner(s) ☐ Limited ☐ General
☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:
Signer is representing:
Name Of Person(s) Or Entity(ies)

_____
_____

DESCRIPTION OF ATTACHED DOCUMENT

_____
Title or Type of Document

_____
Number of Pages

_____
Date of Document

_____
Signer(s) Other Than Named Above

PUBLIC WORKS CONTRACTOR REGISTRATION CERTIFICATION

If this bid is due on or after March 1, 2015, then pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the Department of Industrial Relations. See http://www.dir.ca.gov/Public-Works/PublicWorks.html for additional information.

No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work.

Bidder hereby certifies that it is aware of the registration requirements set forth in Labor Code sections 1725.5 and 1771.1 and is currently registered as a contractor with the Department of Industrial Relations.[1]

Name of Bidder: _____

DIR Registration Number: _____

Small Project Exemption: _____ Yes _____ No

Bidder further acknowledges:

(1) Bidder shall maintain a current DIR registration for the duration of the project.

(2) Bidder shall include the requirements of Labor Code sections 1725.5 and 1771.1 in its contract with subcontractors and ensure that all subcontractors are registered at the time of bid opening and maintain registration status for the duration of the project.

(3) Failure to submit this form or comply with any of the above requirements may result in a finding that the bid is non-responsive.

Name of Bidder_____

Signature_____

Name and Title_____

Dated_____

[1] If the Project is exempt from the contractor registration requirements pursuant to the small project exemption under Labor Code sections 1725.5 and 1771.1, please mark "Yes" in response to "Small Project Exemption."

NON-COLLUSION DECLARATION

The undersigned declares:

I am the _____(*Title*) of _____ (*Firm*), the party making the foregoing bid.

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is

true and correct and that this declaration is executed on _____(*Date*),

at _____ (*City*), _____ (*State*).

By:_____

Printed Name:_____

Date:_____

IRAN CONTRACTING ACT CERTIFICATION

(Public Contract Code Section 2200 *et seq.*)

As required by California Public Contract Code Section 2204, the Contractor certifies subject to penalty for perjury that the option checked below relating to the Contractor's status in regard to the Iran Contracting Act of 2010 (Public Contract Code Section 2200 *et seq.*) is true and correct:

☐ The Contractor is not:

(i) identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203; or

(ii) a financial institution that extends, for 45 days or more, credit in the amount of $20,000,000 or more to any other person or entity identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203, if that person or entity uses or will use the credit to provide goods or services in the energy sector in Iran.

☐ The Authority has exempted the Contractor from the requirements of the Iran Contracting Act of 2010 after making a public finding that, absent the exemption, the Authority will be unable to obtain the goods and/or services to be provided pursuant to the Contract.

☐ The amount of the Contract payable to the Contractor for the Project does not exceed $1,000,000.

Signed:_____

Titled:_____

Firm:_____

Date:_____

Note: In accordance with Public Contract Code Section 2205, false certification of this form shall be reported to the California Attorney General and may result in civil penalties equal to the greater of $250,000 or twice the Contract amount, termination of the Contract and/or ineligibility to bid on contracts for three years.

CONTRACT

THIS CONTRACT is made this _____ day of _____, 20____, in the County of San Diego, State of California, by and between the **VALLECITOS SCHOOL DISTRICT** (hereinafter referred to as "AUTHORITY"),

and _____, hereinafter called Contractor. The AUTHORITY and the Contractor for the considerations stated herein agree as follows:

WHEREAS the AUTHORITY and the Contractor for the considerations stated herein agree as follows:

ARTICLE 1. SCOPE OF WORK. The Contractor shall perform all Work within the time stipulated the Contract and shall provide all labor, materials, equipment, tools, utility services, and transportation to complete all of the Work required in strict compliance with the Contract Documents as specified in Article 5 below for the following Project:

VALLECITOS SCHOOL DISTRICT NEW PORTABLE BUILDING
at VALLECITOS SCHOOL DISTRICT

The Contractor and its surety shall be liable to the AUTHORITY for any damages arising as a result of the Contractor's failure to comply with this obligation, and the Contractor shall not be excused with respect to any failure to so comply by act or omission of the Construction Manager, Architect, Engineer, Inspector, Division of the State Architect, or representative of an of them, unless such act or omission actually prevents the Contractor from fully complying with the Contract Documents and the Contractor protests, in accordance with the Contract Documents that the act or omission is preventing the Contractor from fully complying with the Contract Documents. Such protest shall not be effective unless reduced to writing and filed with the VALLECITOS SCHOOL DISTRICT office within five (5) days of the date of occurrence of the act or omission preventing the Contractor from fully complying with the Contract Documents.

ARTICLE 2. TIME FOR COMPLETION. The Work shall be commenced on the date stated in the AUTHORITY's Notice to Proceed. The Contractor shall complete all Work required by the Contract Documents within (107) calendar days from the commencement date stated in the Notice to Proceed. By its signature hereunder, Contractor agrees the time for completion set forth above is adequate and reasonable to complete the Work.

ARTICLE 3. CONTRACT PRICE. The AUTHORITY shall pay to the Contractor as full compensation for the performance of the Contract, subject to any additions or deductions as provided in the Contract Documents, and including all applicable taxes and costs, the sum of

_____ & 00/100
Dollars

($_____).
Payment shall be made as set forth in the General Conditions.

ARTICLE 4. LIQUIDATED DAMAGES. The Contractor acknowledges that the AUTHORITY will sustain actual damages for each and every day completion of the Project is delayed beyond the Contract Time. Because of the nature of the Project, it would be impracticable or extremely

difficult to determine the AUTHORITY's actual damages. Accordingly, as provided in Government Code section 53069.85, it is agreed that the Contractor will pay the AUTHORITY the sum as identified in the Special Conditions, but in no case less than $200.00 for each and every calendar day of delay in completing the Work beyond the time prescribed in the Contract Documents for finishing the Work, as Liquidated Damages and not as a penalty or forfeiture. In the event the Liquidated Damages are not paid, the Contractor agrees the AUTHORITY may deduct that amount from any money due or that may become due the Contractor under the Contract. This Article does not affect the AUTHORITY's rights to other damages or remedies specified in the Contract Documents or allowed by law.

Should Contractor be inexcusably delayed in the performance of the Work, AUTHORITY may deduct Liquidated Damages based on its estimate of when Contractor will achieve Final Completion or other milestones. AUTHORITY need not wait until Final Completion to withhold Liquidated Damages from Contractor.

Liquidated Damages are not a penalty but an agreed upon estimate of the actual damages that would be sustained by the AUTHORITY for delay, including but not limited to loss of revenue, inconvenience to the AUTHORITY and the public, and increased Project administration expenses, such as extra inspection, construction management, staff time and architectural and engineering expenses. Liquidated Damages do not include actual damages the AUTHORITY incurs on account of claims by third parties against the AUTHORITY on account of any delay.

Should money due or to become due to the Contractor be insufficient to cover Liquidated Damages or other offsets due, then Contractor forthwith shall pay the remainder of the assessed liquidated damages to AUTHORITY.

ARTICLE 5. COMPONENT PARTS OF THE CONTRACT. The "Contract Documents" include the following, all of which are component parts of this Contract as if herein set out in full or attached hereto:

Notice Inviting Bids
Information for Bidders
Bid Form
Contractor's Certificate Regarding Workers' Compensation
Bid Bond
Designation of Subcontractors
Information Required of Bidders
Designation of DVBE Subcontractors
Asbestos-Free Material Certification
Drug-Free Workplace Certifications
Recycled Content Certification
Public Works Contractor Registration Certification
Non-Collusion Declaration
Iran Contracting Act Certification
Contract
Performance Bond
Payment Bond
General Conditions
Special Conditions
Technical Specifications

Addenda
Plans and Drawings
Approved and fully executed change orders
Any other documents contained in or incorporated into the Contract

The Contractor shall complete the Work in strict accordance with all of the Contract Documents. All of the Contract Documents are intended to be complementary. Work required by one of the Contract Documents and not by others shall be done as if required by all. This Contract shall supersede any prior agreement of the parties.

ARTICLE 6. PROVISIONS REQUIRED BY LAW. Each and every provision of law required to be included in these Contract Documents shall be deemed to be included in these Contract Documents, which shall be read and enforced as though it were included herein. The Contractor shall comply with all requirements of the California Labor Code applicable to this Project.

ARTICLE 7. SUBSTITUTION OF SECURITIES. At the request and expense of the successful Bidder, the AUTHORITY will substitute securities for the amount so retained in accordance with Public Contract Code Section 22300.

ARTICLE 8. INDEMNIFICATION. Contractor shall provide indemnification as set forth in the General Conditions.

ARTICLE 9. PREVAILING WAGES. Contractor shall comply with the prevailing wage provisions of the California Labor Code and the prevailing wage rate determinations of the Department of Industrial Relations. These rates may be obtained online at https://www.dir.ca.gov/oprl/dprewagedetermination.htm. A copy of these rates shall be posted at the job Site.

ARTICLE 10. RECORD AUDIT. In accordance with Government Code, Section 8546.7, records of both the AUTHORITY and the Contractor shall be subject to examination and audit by the Auditor General for a period of three (3) years after final payment.

Signatures on the next page.

IN WITNESS WHEREOF, this Contract has been duly executed by the above-named parties, on the day and year above written.

[INSERT NAME OF CONTRACTOR]	**VALLECITOS SCHOOL DISTRICT, AUTHORITY**
By _____	By_____
Name and Title: _____	Meliton Sanchez Superintendent
License No. _____	Date: _____
(Corporate Seal)	

PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, **VALLECITOS SCHOOL DISTRICT** (hereinafter referred to as "AUTHORITY") has awarded to _____, (hereinafter referred to as the "Contractor") _____ an agreement for the **VALLECITOS SCHOOL DISTRICT NEW PORTABLE BUILDING** (hereinafter referred to as the "Project").

WHEREAS, the work to be performed by the Contractor is more particularly set forth in the Contract Documents for the Project (hereinafter referred to as "Contract Documents"), the terms and conditions of which are expressly incorporated herein by reference; and

WHEREAS, the Contractor is required by said Contract Documents to perform the terms thereof and to furnish a bond for the faithful performance of said Contract Documents.

NOW, THEREFORE, we, _____, the undersigned Contractor and _____ as Surety, a corporation organized and duly authorized to transact business under the laws of the State of California, are held and firmly bound unto the AUTHORITY in the sum of _____ DOLLARS, ($_____), said sum being not less than one hundred percent (100%) of the total amount of the Contract, for which amount well and truly to be made, we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that, if the Contractor, his or its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the Contract Documents and any alteration thereof made as therein provided, on its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their intent and meaning; and shall faithfully fulfill all obligations including the one-year guarantee of all materials and workmanship; and shall indemnify and save harmless the AUTHORITY, the Owner its officers and agents, as stipulated in said Contract Documents, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect.

As a part of the obligation secured hereby and in addition to the face amount specified therefore, there shall be included costs and reasonable expenses and fees including reasonable attorney's fees, incurred by Authority in enforcing such obligation.

As a condition precedent to the satisfactory completion of the Contract Documents, unless otherwise provided for in the Contract Documents, the above obligation shall hold good for a period of one (1) year after the acceptance of the work by Authority, during which time if Contractor shall fail to make full, complete, and satisfactory repair and replacements and totally protect the Authority from loss or damage resulting from or caused by defective materials or faulty workmanship. The obligations of Surety hereunder shall continue so long as any obligation of Contractor remains. Nothing herein shall limit the Authority's rights or the Contractor or Surety's obligations under the Contract, law or equity, including, but not limited to, California Code of Civil Procedure section 337.15.

Whenever Contractor shall be, and is declared by the Authority to be, in default under the Contract Documents, the Surety shall remedy the default pursuant to the Contract Documents, or shall promptly, at the Authority's option:

(1) Take over and complete the Project in accordance with all terms and conditions in the Contract Documents; or

(2) Obtain a bid or bids for completing the Project in accordance with all terms and conditions in the Contract Documents and upon determination by Surety of the lowest responsive and responsible bidder, arrange for a Contract between such bidder, the Surety and the Authority, and make available as work progresses sufficient funds to pay the cost of completion of the Project, less the balance of the contract price, including other costs and damages for which Surety may be liable. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable to Contractor by the Authority under the Contract and any modification thereto, less any amount previously paid by the Authority to the Contractor and any other set offs pursuant to the Contract Documents.

(3) Permit the Authority to complete the Project in any manner consistent with California law and make available as work progresses sufficient funds to pay the cost of completion of the Project, less the balance of the contract price, including other costs and damages for which Surety may be liable. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable to Contractor by the Authority under the Contract and any modification thereto, less any amount previously paid by the Authority to the Contractor and any other set offs pursuant to the Contract Documents.

Surety expressly agrees that the Authority may reject any contractor or subcontractor which may be proposed by Surety in fulfillment of its obligations in the event of default by the Contractor.

Surety shall not utilize Contractor in completing the Project nor shall Surety accept a bid from Contractor for completion of the Project if the Authority, when declaring the Contractor in default, notifies Surety of the Authority's objection to Contractor's further participation in the completion of the Project.

The Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the Contract Documents or to the Project to be performed thereunder shall in any way affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the Contract Documents or to the Project.

[Remainder of Page Left Intentionally Blank.]

PERFORMANCE BOND

IN WITNESS WHEREOF, we have hereunto set our hands and seals this _____ day of _____, 20__.

_____
CONTRACTOR/PRINCIPAL

_____
Name

By_____

SURETY:

By: _____
Attorney-In-Fact

The rate of premium on this bond is _____ per thousand. The total amount of premium charges, $_____.
(The above must be filled in by corporate attorney.)

THIS IS A REQUIRED FORM

Any claims under this bond may be addressed to:

(Name and Address of Surety) _____

_____

_____

(Name and Address of Agent or Representative for service of process in California, if different from above) _____

_____

_____

(Telephone number of Surety and Agent or Representative for service of process in California) _____

Notary Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20___, before me, _____, Notary Public, personally

appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document, and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

☐ Individual
☐ Corporate Officer

_____
Title(s)

☐ Partner(s) ☐ Limited ☐ General
☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

_____
_____

DESCRIPTION OF ATTACHED DOCUMENT

_____
Title or Type of Document

_____
Number of Pages

_____
Date of Document

_____
Signer(s) Other Than Named Above

NOTE: This acknowledgment is to be completed for Contractor/Principal.

Notary Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20___, before me, _____, Notary Public, personally

appeared _____, who proved to me on the basis of satisfactoryevidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____
Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document, and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

☐ Individual
☐ Corporate Officer

_____
Title(s)

☐ Partner(s) ☐ Limited ☐ General
☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

_____
_____

DESCRIPTION OF ATTACHED DOCUMENT

_____
Title or Type of Document

_____
Number of Pages

_____
Date of Document

_____
Signer(s) Other Than Named Above

NOTE: This acknowledgment is to be completed for the Attorney-in-Fact. The Power-of-Attorney to local representatives of the bonding company must also be attached.

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS that

WHEREAS, the Authority (hereinafter designated as the "Authority"), by action taken _____ , 20____ has awarded to _____ hereinafter designated as the "Principal," a contract for the work described as follows: VALLECITOS SCHOOL DISTRICT NEW PORTABLE BUILDING AT VALLECITOS SCHOOL DISTRICT (the "Project"); and

WHEREAS, said Principal is required to furnish a bond in connection with said contract; providing that if said Principal or any of its Subcontractors shall fail to pay for any materials, provisions, provender, equipment, or other supplies used in, upon, for or about the performance of the work contracted to be done, or for any work or labor done thereon of any kind, or for amounts due under the Unemployment Insurance Code or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of said Principal and its Subcontractors with respect to such work or labor the Surety on this bond will pay for the same to the extent hereinafter set forth.

NOW THEREFORE, we, the Principal and _____ as Surety, are held and firmly bound unto the Authority in the penal sum of

_____ Dollars ($_____)
lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if said Principal, his or its subcontractors, heirs, executors, administrators, successors or assigns, shall fail to pay any of the persons named in Section 9100 of the Civil Code, fail to pay for any materials, provisions or other supplies, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or amounts due under the Unemployment Insurance Code with respect to work or labor performed under the contract, or for any amounts required to be deducted, withheld, and paid over to the Employment Development Department or Franchise Tax Board from the wages of employees of the contractor and his subcontractors pursuant to Section 18663 of the Revenue and Taxation Code, with respect to such work and labor the Surety or Sureties will pay for the same, in an amount not exceeding the sum herein above specified, and also, in case suit is brought upon this bond, all litigation expenses incurred by the Authority in such suit, including reasonable attorneys' fees, court costs, expert witness fees and investigation expenses.

This bond shall inure to the benefit of any of the persons named in Section 9100 of the Civil Code so as to give a right of action to such persons or their assigns in any suit brought upon this bond.

It is further stipulated and agreed that the Surety on this bond shall not be exonerated or released from the obligation of this bond by any change, extension of time for performance, addition, alteration or modification in, to, or of any contract, plans, specifications, or agreement pertaining or relating to any scheme or work of improvement herein above described, or pertaining or relating to the furnishing of labor, materials, or equipment therefore, nor by any change or modification of any terms of payment or extension of the time for any payment pertaining or relating to any scheme or work of improvement herein above described, nor by any rescission or attempted rescission or attempted rescission of the contract, agreement or bond, nor by any conditions precedent or subsequent in the bond attempting to limit the right of recovery of claimants otherwise entitled to recover under any such contract or agreement or under the bond, nor by any fraud practiced by any person other than the claimant seeking to recover on the bond and that

this bond be construed most strongly against the Surety and in favor of all persons for whose benefit such bond is given, and under no circumstances shall Surety be released from liability to those for whose benefit such bond has been given, by reason of any breach of contract between the Authorityand original contractor or on the part of any obligee named in such bond, but the sole conditions of recovery shall be that claimant is a person described in Section 9100 of the Civil Code, and has not been paid the full amount of his claim and that Surety does hereby waive notice of any such change, extension of time, addition, alteration or modification herein mentioned.

IN WITNESS WHEREOF, two (2) identical counterparts of this instrument, each of which shall for all purposes be deemed unoriginal thereof, have been duly executed by the Principal and

Surety above named, on the _____ day of _____ 20_____ the name and corporate seal of each corporate party being hereto affixed and these presents duly signed b its undersigned representative pursuant to authority of its governing body.

(Corporate Seal of Principal,
if corporation)

_____
Principal (Property Name of Contractor)

By _____
(Signature of Contractor)

(Seal of Surety)

_____
Surety

By _____
Attorney in Fact

(Attached Attorney-In-Fact
Certificate and Required
Acknowledgements)

*Note: Appropriate Notarial Acknowledgments of Execution by Contractor and surety and a power of Attorney MUST BE ATTACHED.

THIS IS A REQUIRED FORM

Notary Acknowledgment

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20___, before me, _____, Notary Public, personally

appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

☐ Individual
☐ Corporate Officer

_____
Title(s)

☐ Partner(s) ☐ Limited ☐ General
☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

_____
_____

DESCRIPTION OF ATTACHED DOCUMENT

_____
Title or Type of Document

_____
Number of Pages

_____
Date of Document

_____
Signer(s) Other Than Named Above

NOTE: This acknowledgment is to be completed for Contractor/Principal.

Notary Acknowledgment

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STATE OF CALIFORNIA
COUNTY OF _____

On _____, 20___, before me, _____, Notary Public, personally

appeared _____, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

_____

Signature of Notary Public

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document, and could prevent fraudulent removal and reattachment of this form to another document.

CAPACITY CLAIMED BY SIGNER

☐ Individual
☐ Corporate Officer

_____
Title(s)

☐ Partner(s) ☐ Limited ☐ General
☐ Attorney-In-Fact
☐ Trustee(s)
☐ Guardian/Conservator
☐ Other:

Signer is representing:
Name Of Person(s) Or Entity(ies)

_____

_____

DESCRIPTION OF ATTACHED DOCUMENT

_____
Title or Type of Document

_____
Number of Pages

_____
Date of Document

_____
Signer(s) Other Than Named Above

NOTE: This acknowledgment is to be completed for the Attorney-in-Fact. The Power-of-Attorney to local representatives of the bonding company must also be attached.

GENERAL CONDITIONS

ARTICLE 1. DEFINITIONS

a. Acceptable, Acceptance or words of similar import shall be understood to be the acceptance of the Agency Representative and/or the Agency .

b. Act of God an earthquake of magnitude 3.5 on the Richter scale and tidal waves.

c. Approval means written authorization by Agency Representative and/or Agency.

d. Architect means the architect employed by Agency to provide architecture and related services for the Project.

e. Construction Manager means the construction manager, if any, employed by the Agency to provide construction management and related services for the Project.

f. Contract or Contract Documents includes all contract documents as stated in the Contract.

g. Day shall mean calendar day unless otherwise specifically designated.

h. Agency and Contractor are those stated in the Contract. Where Agency is deemed to receive benefit, be held harmless, or warranted, so shall the Project Owner, who is the School District upon whose land the Project is being accomplished.

i. Agency Representative shall mean **Meliton Sanchez,** or his/her designee, acting either directly or through properly authorized agents, such as agents acting within the scope of the particular duties entrusted to them. Also sometimes referred to as the "Agency's Representative" or "Representative" in the Contract Documents.

j. Equal, Equivalent, Satisfactory, Directed, Designated, Selected, As Required and similar words shall mean the written approval, selection, satisfaction, direction, or similar action of the Agency Representative and/or Agency.

k. Indicated, Shown, Detailed, Noted, Scheduled or words of similar meaning shall mean that reference is made to the drawings, unless otherwise noted. It shall be understood that the direction, designation, selection, or similar import of the Agency Representative and/or Agency is intended, unless stated otherwise.

l. Install means the complete installation of any item, equipment or material.

m. Material shall include machinery, equipment, manufactured articles, or construction such as form work, fasteners, etc., and any other classes of material to be furnished in connection with the Contract. All materials shall be new unless specified otherwise.

n. Perform shall mean that the Contractor, at Contractor's expense, shall take all actions necessary to complete The Work, including furnishing of necessary labor, tools, and equipment, and providing and installing Materials that are indicated, specified, or required to complete such performance.

o. Project is The Work planned by Agency as provided in the Contract Documents.

p. Provide shall include provide complete in place, that is furnish, install, test and make ready for use.

q. Recyclable Waste Materials shall mean materials removed from the Project Site which are required to be diverted to a recycling center rather than an area landfill. Recyclable Waste Materials include asphalt, concrete, brick, concrete block, and rock.

r. Required and words of similar meaning are used, it shall mean "as required to properly complete the work" as required by the Construction Manager, Architect and/or Agency, unless stated otherwise.

s. Specifications means that portion of the Contract Documents consisting of the written requirements for materials, equipment, construction systems, standards and workmanship for the work. The Work shall be done in accordance with the Greenbook, including all current supplements, addenda, and revisions thereof. In the case of conflict between the Greenbook and the Contract Documents, the Contract Documents shall prevail.

t. Site or Project Site is the lands and facilities upon which The Work is to be performed, including such access to other lands and facilities designated in the Contract Documents.

u. Subcontractor as used herein, includes those having a direct contract with Contractor and one who furnishes material worked to a special design according to plans, drawings, and specifications of this work, but does not include one who merely furnishes material not so worked.

v. Surety is the person, firm, or corporation, admitted as a California admitted surety, that executes as surety the Contractor's Performance Bond and Payment Bond for Public Works. Surety must be an admitted surety insurer pursuant to Code of Civil Procedure section 995.120.

w. The Work means the entire improvement planned by the Agency pursuant to the Contract Documents.

x. Work means labor, equipment and materials incorporated in, or to be incorporated in the construction covered by the Contract Documents.

y. Worker includes laborer, worker, or mechanic, and any supervisors thereto.

ARTICLE 2. CONTRACT DOCUMENTS

a. **Contract Documents**. The Contract Documents are complementary, and what is called for by one shall be as binding as if called for by all. The intention of the Contract Documents is to provide the Agency and the Owner with complete and fully operational facilities as indicated and specified, including all labor and materials, equipment and transportation necessary for the proper execution of the Work. Materials or work described in words which as applied have a well-known technical or trade meaning shall be deemed to refer to such recognized standards.

b. **Interpretations**. The Contract Documents are intended to be fully cooperative and to be complementary. If Contractor observes that any documents are in conflict, the Contractor shall promptly notify the Agency Representative in writing by submission of a Request for

Information. The Request for Information procedure may not be used to request any changes which shall be adjusted as provided in the Contract Documents for changes in work. In case of conflicts between the Contract Documents, the order of precedence shall be as follows:

1. Change Orders or Work Change Directives
2. Addenda
3. Special Provisions (or Special Conditions)
4. Technical Specifications
5. Plans (Contract Drawings)
6. Contract
7. General Conditions
8. Information for Bidders
9. Notice Inviting Bids
10. Contractor's Bid Forms
11. Greenbook (excluding Sections 1-9)
12. Standard Plans
13. Reference Documents

With reference to the Drawings, the order of precedence shall be as follows:

1. Figures govern over scaled dimensions
2. Detail drawings govern over general drawings
3. Addenda or Change Order drawings govern over Contract Drawings
4. Contract Drawings govern over Standard Drawings
5. Contract Drawings govern over Shop Drawings

c. **Conflicts in Contract Documents**. Notwithstanding the orders of precedence established above, in the event of conflicts, the higher standard shall always apply.

d. **Compliance with Applicable Laws.** Drawings and specifications are intended to comply with all laws, ordinances, rules and regulations of authorities having jurisdiction, and where referred to in the Contract Documents, said laws, ordinances, rules and regulations shall be considered as part of said Contract Documents within the limits specified.

e. **Addenda and Deferred Approvals.** Addenda shall govern over all other Contract Documents. Subsequent addenda issued shall govern over prior addenda only to the extent specified. In accordance with Titles 21 and 24 of the California Code of Regulations, addenda shall be approved by the Department of State Architect ("DSA"). The requirements approved by the DSA on any item submitted as a deferred approval in accordance with Titles 21 and 24 of the California Code of Regulations, shall take precedence over any previously issued addenda, drawing or specification.

f. **Organization of Contract Documents**. Organization of the Contract Documents into divisions, sections, and articles, and arrangement of drawings shall not control the Contractor in dividing The Work among subcontractors or in establishing the extent of Work to be performed by any trade.

ARTICLE 3. CONTRACTS DOCUMENTS: COPIES & MAINTENANCE

Contractor will be furnished, free of charge, at least one (1) copy of the Contract Documents. Additional copies may be obtained at cost of reproduction.

Contractor shall maintain a clean, undamaged set of Contract Documents at the Project Site.

ARTICLE 4. DETAIL DRAWINGS AND INSTRUCTIONS

a. **Examination of Contract Documents.** Before commencing any portion of The Work, Contractor shall again carefully examine all applicable Contract Documents, the Project Site and other information given to Contractor as to materials and methods of construction and other Project requirements. Contractor shall immediately notify the Agency Representative of any potential error, inconsistency, ambiguity, conflict or lack of detail or explanation. If Contractor performs, permits, or causes the performance of any Work which is in error, inconsistent or ambiguous, or not sufficiently detailed or explained, Contractor shall bear any and all resulting costs, including, without limitation, the cost of correction. In no case shall the Contractor or any subcontractor proceed with Work if uncertain as to the applicable requirements.

b. **Additional Instructions.** After notification of any error, inconsistency, ambiguity, conflict or lack of detail or explanation, the Agency Representative will provide any required additional instructions, by means of drawings or other written direction, necessary for proper execution of Work.

c. **Quality of Parts, Construction and Finish.** All parts of The Work shall be of the best quality of their respective kinds and the Contractor must use all diligence to inform itself fully as to the required construction and finish. In no case shall Contractor proceed with The Work without obtaining first from the Agency Representative such Approval may be necessary for the proper performance of Work.

d. **Contractor's Variation from Contract Document Requirements.** If it is found that the Contractor has varied from the requirements of the Contract Documents including the requirement to comply with all applicable laws, ordinances, rules and regulations, the Agency Representative may at any time, before or after completion of the Work, order the improper Work removed, remade or replaced by the Contractor at the Contractor's expense.

ARTICLE 5. EXISTENCE OF UTILITIES AT THE WORK SITE

a. The Agency has endeavored to determine the existence of utilities at the Project Site from the records of the owners of known utilities in the vicinity of the Project. The positions of these utilities as derived from such records are shown on the Plans.

b. No excavations were made to verify the locations shown for underground utilities. The service connections to these utilities are not shown on the plans. It shall be the responsibility of the Contractor to determine the exact location of all service connections. The Contractor shall make its own investigations, including exploratory excavations, to determine the locations and type of service connections, prior to commencing Work which could result in damage to such utilities. The Contractor shall immediately notify the

Agency in writing of any utility discovered in a different position than shown on the Plans or which is not shown on the Plans.

c. All water meters, water valves, fire hydrants, electrical utility vaults, telephone vaults, gas utility valves, and other subsurface structures shall be relocated or adjusted to final grade by the Contractor. Locations of existing utilities shown on the Plans are approximate and may not be complete. The Contractor shall be responsible for coordinating its Work with all utility companies during the construction of The Work.

d. **Main or Trunkline Facilities**

i. Notwithstanding the above, pursuant to Section 4215 of the Government Code, as it may be amended from time to time, the Agency has the responsibility to identify, with reasonable accuracy, main or trunkline facilities on the plans and specifications. In the event that main or trunkline utility facilities are not identified with reasonable accuracy in the plans and specifications made a part of the invitation for bids, Agency shall assume the responsibility for their timely removal, relocation, or protection.

ii. The Contractor shall be compensated by the Agency for the costs of locating and repairing damage not due to the failure of the Contractor to exercise reasonable care, and removing, relocating, protecting or temporarily maintaining such main or trunkline utility facilities not indicated with reasonable accuracy in the plans and specifications, and for equipment in the Project necessarily idled during such work.

iii. Alternatively, Agency may make changes in the alignment and grade of the work to obviate the necessity to remove, relocate, or temporarily maintain the utility, or Agency may make arrangements with the owner of the utility for such work to be done at no cost to the Contractor.

iv. The Contractor shall not be assessed a forfeiture for delay in completion of the Project when such delay is caused by the failure of the Agency or the owner of the utility to provide for the removal, relocation, protection or temporary maintenance of all such main or trunkline facilities not indicated with reasonable accuracy.

v. Nothing herein shall preclude the Agency from pursuing any appropriate remedy against the utility for delays which are the responsibility of the utility.

vi. Nothing herein shall be construed to relieve the utility from any obligation as required either by law or by contract to pay the cost of removal or relocation of existing utility facilities.

vii. If the Contractor while performing the Contract discovers utility facilities not identified by the Agency in the Contract plans or specifications, he shall immediately notify the Agency and utility in writing.

viii. The owner of the public utility shall have the sole discretion to perform repairs or relocation work or hire the Contractor to do such repairs or relocation work at a reasonable price.

e. **Other Utilities.** In case it should be necessary to remove, relocate, or temporarily maintain a utility because of interference with the work, the work on the utility shall be performed and paid for as follows:

i. When it is necessary to remove, relocate or temporarily maintain a service connection, the cost of which is not required to be borne by the owner thereof, the Contractor shall bear all expenses incidental to the work on the service connection. The work on the service connection shall be done in a manner satisfactory to the owner thereof; it being understood that the owner of the service connection has the option of doing such work with his own forces or permitting the work to be done by the Contractor.

ii. When it is necessary to remove, relocate, or temporarily maintain a utility which is in the position shown on the plans, the cost of which is not required to be borne by the owner thereof, the Contractor shall bear all expenses incidental to the work on the utility. The work on the utility shall be done in a manner satisfactory to the owner thereof; it being understood that the owner of the utility has the option of doing such work with his own forces or permitting the work to be done by the Contractor.

iii. When it is necessary to remove, relocate, or temporarily maintain a utility which is not shown on the plans or is in a position different from that shown on the plans and were it in the position shown on the plans would not need to be removed, relocated, or temporarily maintained, and the cost of which is not required to be borne by the owner thereof, the Agency will make arrangements with the owner of the utility for such work to be done at no cost to the Contractor, or will require the Contractor to do such work in accordance with the provisions herein or will make changes in the alignment and grade of the work to obviate the necessity to remove, relocate, or temporarily maintain the utility. Changes in alignment and grade will be ordered in accordance with the provisions herein.

iv. No representations are made that the obligations to move or temporarily maintain any utility and to pay the cost thereof is or is not required to be borne by the owner of such utility, and it shall be the responsibility of the Contractor to investigate to find out whether or not said cost is required to be borne by the owner of the utility.
The right is reserved to governmental agencies and to owners of utilities to enter at any time upon any street, alley, right-of-way, or easement for the purpose of making changes in their property made necessary by the work and for the purpose of maintaining and making repairs to their property.

ARTICLE 6. PROJECT SCHEDULE

a. **Estimated Schedule.** Within ten (10) days after the issuance of the Notice to Proceed, Contractor shall prepare a Project schedule and shall submit this to the Agency Representative for Approval. The receipt or Approval of any schedules by the Agency Representative or the Agency shall not in any way relieve the Contractor of its obligations under the Contract Documents. The Contractor is fully responsible to determine and provide for any and all staffing and resources at levels which allow for good quality and timely completion of the Project. Contractor's failure to incorporate all elements of Work required for the performance of the Contract or any inaccuracy in the schedule shall not excuse the Contractor from performing all Work required for a completed Project within the specified Contract time period. If the required schedule is not received by the time the

first payment under the Contract is due, Contractor shall not be paid until the schedule is received, reviewed and accepted by the Agency Representative.

b. **Schedule Contents.** The schedule shall allow enough time for normal inclement weather, based on the total time period during which The Work will be ongoing and local climatological averages for the Project Site during that entire time period. The Agency may specify in the Special Conditions the minimum number of inclement weather days which must be included in the Project schedule. The schedule shall indicate the beginning and completion dates of all phases of construction; critical path for all critical, sequential time related activities; and "float time" for all "slack" or "gaps" in the non-critical activities. The schedule shall clearly identify all staffing and other resources which in the Contractor's judgment are needed to complete the Project within the time specified for completion. Schedule duration shall match the Contract time. If the Work fails to meet the milestones stated in the Schedule, at any time, the Contractor shall submit to the Agency within forty-eight (48) hours, an explanation in writing as to why the Schedule is not being maintained as well as a recovery schedule indicating how the Contractor will make up the delay and get the Project back on Schedule. Schedules indicating early completion will be rejected.

c. **Schedule Updates.** Contractor shall continuously update its construction schedule. Contractor shall submit an updated and accurate construction schedule to the Agency Representative whenever requested to do so by Agency Representative and with each progress payment request. If The Agency Representative may withhold progress payments or other amounts due under the Contract Documents if Contractor fails to submit an updated and accurate construction schedule (including failure to provide a recovery schedule when required).

d. **Conflicts with Testing and/or School Functions**. In no event shall the Contractor conduct any work on the Project on dates on which testing of students is conducted and/or there is a school function which might be impacted by the Contractor's operations on Site. The Agency or Agency's representative will provide the Contractor with a schedule of test dates and/or school functions concurrent with the issuance of the notice to proceed for the Contract so that such events can be incorporated into the schedule.

ARTICLE 7. SUBSTITUTIONS

a. Pursuant to Public Contract Code Section 3400(b) the Agency may make a finding that is described in the invitation for bids that designates certain products, things, or services by specific brand or trade name.

b. Unless specifically designated in the Contract Documents, whenever any material, process, or article is indicated or specified by grade, patent, or proprietary name or by name of manufacturer, such Specifications shall be deemed to be used for the purpose of facilitating the description of the material, process or article desired and shall be deemed to be followed by the words "or equal." Contractor may, unless otherwise stated, offer for substitution any material, process or article which shall be substantially equal or better in every respect to that so indicated or specified in the Contract Documents. However, the Agency may have adopted certain uniform standards for certain materials, processes and articles.

c. Unless otherwise specified in the Special Conditions, Contractor shall submit requests, together with substantiating data, for substitution of any "or equal" material, process or

article no later than thirty-five (35) days after award of the Contract. To facilitate the construction schedule and sequencing, some requests may need to be submitted before thirty-five (35) days after award of Contract. Provisions regarding submission of "or equal" requests shall not in any way authorize an extension of time for performance of this Contract. If a proposed "or equal" substitution request is rejected, Contractor shall be responsible for providing the specified material, process or article. The burden of proof as to the equality of any material, process or article shall rest with the Contractor. The Agency has the complete and sole discretion to determine if a material, process or article is an "or equal" material, process or article that may be substituted.

d. Data required to substantiate requests for substitutions of an "or equal" material, process or article data shall include a signed affidavit from the Contractor stating that, and describing how, the substituted "or equal" material, process or article is equivalent to that specified in every way except as listed on the affidavit. Substantiating data shall include any and all illustrations, specifications, and other relevant data including catalog information which describes the requested substituted "or equal" material, process or article, and substantiates that it is an "or equal" to the material, process or article. The substantiating data must also include information regarding the durability and lifecycle cost of the requested substituted "or equal" material, process or article. Failure to submit all the required substantiating data, including the signed affidavit, to the Agency in a timely fashion will result in the rejection of the proposed substitution.

e. The Contractor shall bear all of the Agency's costs associated with the review of substitution requests.

f. The Contractor shall be responsible for all costs related to a substituted "or equal" material, process or article.

g. Contractor is directed to the Special Conditions (if any) to review any findings made pursuant to Public Contract Code section 3400.

ARTICLE 8. SHOP DRAWINGS

a. Contractor shall check and verify all field measurements and shall submit with such promptness as to provide adequate time for review and cause no delay in his own Work or in that of any other contractor, subcontractor, or worker on the Project, six (6) copies of all shop or setting drawings, calculations, schedules, and materials list, and all other provisions required by the Contract. Contractor shall sign all submittals affirming that submittals have been reviewed and approved by Contractor prior to submission to Agency Representative. Each signed submittal shall affirm that the submittal meets all the requirements of the Contract Documents except as specifically and clearly noted and listed on the cover sheet of the submittal.

b. Contractor shall make any corrections required by the Agency Representative, and file with the Agency Representative six (6) corrected copies each, and furnish such other copies as may be needed for completion of the Work. Agency Representative's approval of shop drawings shall not relieve Contractor from responsibility for deviations from the Contract Documents unless Contractor has, in writing, called Agency Representative's attention to such deviations at time of submission and has secured the Agency Representative's written Approval. Agency Representative's Approval of shop drawings shall not relieve Contractor from responsibility for errors in shop drawings.

ARTICLE 9. SUBMITTALS

a. Contractor shall furnish to the Agency Representative for approval, prior to purchasing or commencing any Work, a log of all samples, material lists and certifications, mix designs, schedules, and other submittals, as required in the specifications. The log shall indicate whether samples will be provided in accordance with other provisions of this Contract.

b. Contractor will provide samples and submittals, together with catalogs and supporting data required by the Agency Representative, to the Agency Representative within a reasonable time period to provide for adequate review and avoid delays in the Work.

c. These requirements shall not authorize any extension of time for performance of this Contract. Agency Representative will check and approve such samples, but only for conformance with design concept of work and for compliance with information given in the Contract Documents. Work shall be in accordance with approved samples and submittals.

d. If the Agency Representative's response results in a change in the Project, then such change shall be effected by a written change order.

ARTICLE 10. MATERIALS

a. Except as otherwise specifically stated in the Contract Documents, Contractor shall provide and pay for all materials, labor, tools, equipment, water, lights, power, transportation, superintendence, temporary constructions of every nature, and all other services and facilities of every nature whatsoever necessary to execute and complete this Contract within specified time.

b. Unless otherwise specified, all materials shall be new and the best of their respective kinds and grades as noted and/or specified, and workmanship shall be of good quality.

c. Materials shall be furnished in ample quantities and at such times as to ensure uninterrupted progress of The Work and shall be stored properly and protected as required by the Contract Documents. Contractor shall be entirely responsible for damage or loss by weather or other causes to materials or Work.

d. No materials, supplies, or equipment for Work under this Contract shall be purchased subject to any chattel mortgage or under a conditional sale or other agreement by which an interest therein or in any part thereof is retained by the seller or supplier. Contractor warrants good title to all material, supplies, and equipment installed or incorporated in the work and agrees upon completion of all work to deliver the Project, to the Agency free from any claims, liens, or charges.

e. Materials shall be stored on the Project Site in such manner so as not to interfere with any operations of the Owner or any other third party or any other contractor performing work at the Site. On-Site storage space is limited. Contractor shall coordinate all material deliveries with Agency's Representative prior to delivery. Deliveries shall coincide closely with installation dates.

f. Storage requirements must be reviewed and approved by the Agency's Representative. Materials may be stored only in those areas designated as storage areas by the Agency's Representative. Material stored on-Site without the approval of the Agency's

Representative, or stored outside of designated areas, will be removed from Site and warehoused at the Contractor's expense. Contractor shall obtain a Professional Engineer's approval for loading limitations of stored material as required. Contractor will cooperate and move materials as may be required by the Agency's Representative, at no additional cost.

g. Contractor shall maintain its storage area and shall keep its storage areas clean, safe and secure. All materials will be palletized and/or stored upon appropriate dunnage. Notwithstanding the assignment provisions of the Contract Documents, the Contractor shall procure Builder's Risk insurance for the Project.

h. Contractor shall be responsible for providing off-Site storage facilities for its own materials at its cost. The storage of materials and equipment at the Site shall be permitted only to the extent approved in advance by the Agency's Representative. Agency's Representative shall approve location of Contractor's items of plant and tools such as hoists, mixers, cutters, etc. in advance.

i. The Contractor shall schedule all major deliveries through the Agency's Representative or such deliveries may be turned away from the Site. Deliveries must be made during normal working hours, 7:00 a.m. – 3:30 p.m., Monday through Friday. The Agency's Representative will not accept or unload any deliveries for Contractor. Contractor shall provide the Agency's Representative with a minimum of forty eight (48) hours notice of major deliveries to Project Site. The Contractor shall be responsible for any and all costs resulting from deliveries made, or attempted to be made, during non-working or overtime hours.

j. Recyclable Waste Materials. As required by applicable local waste reduction and recycling requirements, Contractor shall divert all Recyclable Waste Materials to appropriate recycling centers. Contractor will be required to submit weight tickets and written proof of diversion with its monthly progress payment requests. Contractor shall complete and execute any certification forms required by Agency or other applicable agencies to document Contractor's compliance with these diversion requirements. All costs incurred for these waste diversion efforts shall be the responsibility of the Contractor. Contractor shall make reasonable efforts to identify other waste materials which are recyclable or saleable but which are not subject to mandatory diversion prior to disposal, recycling, sale or other disposition, shall communicate the value thereof to the Agency Representative and request Agency instruction regarding disposition. In the event Contractor receives any income from the sale or recycling of such waste materials, the Agency may deduct payment in the actual amount of income from contract payments.

ARTICLE 11. CONTRACTOR'S SUPERVISION

Contractor shall continuously keep at the Project Site, a competent and experienced full-time Project superintendent approved by the Agency. Superintendent must be able to proficiently speak, read and write in English and shall be onsite whenever workers are present. Project superintendent shall represent Contractor in Contractor's absence and all directions given to the Project superintendent shall be as binding as if given to Contractor. Contractor shall continuously provide efficient supervision of the Project.

ARTICLE 12. WORKERS

a. Contractor shall at all times enforce strict discipline and good order among its employees. Contractor shall not employ on the Project any unfit person or any one not skilled in the Work assigned to him or her.

b. Any person in the employ of the Contractor whom the Agency may deem incompetent or unfit shall be dismissed from The Work and shall not be employed on this Project except with the written Approval of the Agency.

ARTICLE 13. FINGERPRINTING REQUIREMENTS

Agency shall determine the Fingerprinting requirements for the Project as set forth in the Special Conditions. The Project shall be governed by paragraph (a) or (b) below, depending on the Work involved in the Project.

a. Contracts For Construction, Reconstruction, Rehabilitation Or Repair Of A School Facility Involving More Than Limited Contact With Students.

If the Agency determines, based on the totality of the circumstances concerning the Project, that the Contractor and Contractor's employees are subject to the requirements of Education Code section 45125.2 pertaining to Contracts for Construction, Reconstruction, Rehabilitation or Repair of a School Facility because they will have contact other than limited contact with pupils, by execution of the Contract, the Contractor acknowledges that Contractor is entering into a contract for the construction, reconstruction, rehabilitation, or repair of a school facility where the Contractor and/or Contractor's employees will have more than limited contact with students and the services to be provided do not constitute an emergency or exceptional situation. In accordance with Education Code section 45125.2 the Contractor shall, at Contractor's own expense:

(1) install a physical barrier to limit contact with students by Contractor and/or Contractor's employees;

(2) provide for the continuous supervision and monitoring of the Contractor and/or Contractor's employees by an employee of the Contractor who has received fingerprint clearance from the California Department of Justice;

(3) provide for the surveillance of the Contractor and Contractor's employees by an Agency employee;

(4) require any employee of the Contractor potentially having contact with students to obtain fingerprint clearance as described in Education Code section 45125.1

b. Contracts For Construction, Reconstruction Rehabilitation Or Repair Of A School Facility Involving Only Limited Contact With Students.

If the Agency determines based on the totality of the circumstances concerning the Project that the Contractor and Contractor's employees are subject to the requirements of Education Code section 45125.2 pertaining to Contracts for Construction, Reconstruction, Rehabilitation or Repair of a School Facility because they will have only limited contact with pupils, by execution of the Contract, the Contractor acknowledges that Contractor is entering into a contract for the

construction, reconstruction, rehabilitation or repair of a school facility involving only limited contact with students. Accordingly, the parties agree that the following conditions apply to any work performed by the Contractor and/or Contractor's employees on a school site: (1) Contractor and/or Contractor's employees shall check in with the school office each day immediately upon arriving at the school site; (2) Contractor and/or Contractor's employees shall inform school office staff of their proposed activities and location at the school site; (3) Once at such location Contractor and/or Contractor's employees shall not change locations without contacting the school office; (4) Contractor and Contractor's employees shall not use student restroom facilities; and (5) If Contractor and/or Contractor's employees find themselves alone with a student, Contractor and Contractor's employees shall immediately contact the school office and request that a member of the school staff be assigned to the work location.

ARTICLE 14. CONTRACT SECURITY

Unless otherwise specified in Special Conditions, Contractor shall furnish a surety bond in an amount equal to one hundred percent (100%) of Contract Price as security for faithful performance of this Contract and shall furnish a separate bond in an amount at least equal to one hundred percent (100%) of the Contract Price as security for payment of persons performing labor and furnishing materials in connection with this Contract. Both the Payment and Performance Bonds must be executed by an admitted Surety, as defined in California Code of Civil Procedure Section 995.120. The Payment and Performance Bonds must be accompanied by the original or a certified copy of the unrevoked power of attorney or other appropriate instrument entitling or authorizing the person who executed the bond to do so. Aforesaid bonds shall be in the form set forth in these Contract Documents.

ARTICLE 15. SUBCONTRACTORS

a. Contractor agrees to bind every subcontractor to the terms of the Contract Documents as far as such terms are applicable to subcontractor’s portion of The Work. Contractor shall be as fully responsible to the Agency and Owner for the acts and omissions of its subcontractors and of persons either directly or indirectly employed by its subcontractors, as Contractor is for acts and omissions of persons directly employed by Contractor. Nothing contained in these Contract Documents shall create any contractual relationship between any subcontractor and the Agency. The Agency and Owner shall be deemed to be the third party beneficiaries of the contract between the Contractor and the subcontractor.

b. The Agency reserves the right to approve all subcontractors. The Agency’s Approval of any subcontractor under this Contract shall not in any way relieve Contractor of its obligations in the Contract Documents.

c. Substitution or addition of subcontractors shall be permitted only as authorized by the Subletting and Subcontracting Fair Practices Act pursuant to California Public Contract Code section 4100 et seq.

ARTICLE 16. PERMITS AND LICENSES

Permits and licenses necessary for prosecution of The Work shall be secured and paid for by Contractor, unless otherwise specified in the Contract Documents.

a. Contractor shall obtain and pay for all other permits and licenses required for The Work, including excavation permit and for plumbing, mechanical and electrical work and for operations in or over public streets or right of way under jurisdiction of public agencies other than the Agency, all applicable environmental permits, approvals, and certifications including but not limited to certifications required by the United States Environmental Protection Agency's Lead Renovation, Repair, and Painting rule set forth at Title 40, Part 745 of the Code of Federal Regulations.

b. The Contractor shall arrange and pay for all off-site inspection of the Work related to permits and licenses, including certification, required by the specifications, drawings, or by governing authorities, except for such off-site inspections delineated as the Agency's responsibility pursuant to the Contract Documents.

c. Before Acceptance of the Project, the Contractor shall submit all licenses, permits, certificates of inspection and required approvals to the Agency.

ARTICLE 17. UTILITY USAGE

a. All temporary utilities, including but not limited to electricity, water, gas, and telephone, used on the Work shall be furnished and paid for by District. Contractor shall Provide necessary temporary distribution systems, including meters, if necessary, from distribution points to points on The Work where the utility is needed. Upon completion of The Work, Contractor shall remove all temporary distribution systems.

b. District shall provide necessary and adequate utilities and pay all costs for water, electricity, gas, oil, and sewer charges required for completion of the Project.

c. All permanent meters Installed shall be listed in the Contractor's name until Project Acceptance.

d. Refer to Specification Section 01500 Construction Facilities and Temporary Controls of the Contract Documents for further information.

ARTICLE 18. INSPECTION FEES FOR PERMANENT UTILITIES

All inspection fees and other municipal charges for permanent utilities including, but not limited to, sewer, electrical, phone, gas, water, and irrigation shall be paid for by the Agency. Contractor shall be responsible for arranging the payment of such fees, but inspection fees and other municipal fees relating to permanent utilities shall be paid by the Agency. Contractor may either request reimbursement from the Agency for such fees, or shall be responsible for arranging and coordination with Agency for the payment of such fees.

ARTICLE 19. TRENCHES

a. Trenches Five Feet or More in Depth. The Contractor shall submit to the Agency, in advance of excavation, a detailed plan showing the design of shoring, bracing, sloping or other provisions to be made for worker protection from the hazard of caving ground during the excavation of any trench or trenches five feet or more in depth. If the plan varies from shoring system standards, the plan shall be prepared by a registered civil or structural engineer. The plan shall not be less effective than the shoring, bracing, sloping, or other

provisions of the Construction Safety Orders, as defined in the California Code of Regulations.

b. Excavations Deeper than Four Feet. If work under this Contract involves digging trenches or other excavation that extends deeper than four feet below the surface, Contractor shall promptly, and before the following conditions are disturbed, notify the Agency, in writing, of any:

1) Material that the Contractor believes may be material that is hazardous waste, as defined in Section 25117 of the Health and Safety Code, that is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law.

2) Subsurface or latent physical conditions at the Site differing from those indicated.

3) Unknown physical conditions at the Site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract.

The Agency shall promptly investigate the conditions, and if it finds that the conditions do so materially differ, or do involve hazardous waste, and cause a decrease or increase in Contractor's cost of, or the time required for, performance of any part of The Work, shall issue a change order under the procedures described in the Contract Documents.

In the event that a dispute arises between the Agency and the Contractor as to whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of The Work, the Contractor shall not be excused from any scheduled completion date provided for by the Contract, but shall proceed with all Work to be performed under the Contract. Contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the parties.

ARTICLE 20. REMOVAL OF HAZARDOUS MATERIALS

Should Contractor encounter material reasonably believed to be polychlorinated biphenyl (PCB) or other toxic wastes and hazardous materials which have not been rendered harmless at the Project Site, the Contractor shall immediately stop work at the affected Project Site and shall report the condition to the Agency in writing. The Agency shall contract for any services required to directly remove and/or abate PCBs and other toxic wastes and hazardous materials, if required by the Project Site(s), and shall not require the Contractor to subcontract for such services. The Work in the affected area shall not thereafter be resumed except by written agreement of the Agency and Contractor.

ARTICLE 21. SANITARY FACILITIES

Contractor shall provide sanitary temporary toilet buildings for the use of all workers. All toilets shall comply with all applicable federal, state and local laws, codes, ordinances and regulations. Toilets shall be kept supplied with toilet paper, hand sanitizers and shall have workable door fasteners. Toilets shall be serviced no less than once weekly and shall be present in a quantity of not less than 1 per 20 workers as required by CAL-OSHA regulation. The toilets shall be maintained in a sanitary condition at all times. Use of toilet facilities in The Work under

construction shall not be permitted. Any other Sanitary Facilities required by CAL-OSHA shall be the responsibility of the Contractor.

ARTICLE 22. AIR POLLUTION CONTROL

Contractor shall comply with all air pollution control rules, regulations, ordinances and statutes. All containers of paint, thinner, curing compound, solvent or liquid asphalt shall be labeled to indicate that the contents fully comply with the applicable material requirements. Without limiting the foregoing, Contractor must fully comply with all Applicable Laws, rules and regulations in furnishing or using equipment and/ or providing services, including but not limited to, emissions limits and permitting requirements imposed by the Air Quality Management District with jurisdiction over the Project and/ or California Air Resources Board (CARB). Contractor shall specifically be aware of the application of these limits and requirements to “portable equipment” which definition is considered to include any item of equipment with a fuel-powered engine. Contractor shall indemnify Agency and Owner against any fines or penalties imposed by the Air Quality Management District, CARB, or any other governmental or regulatory agency for its violations of Applicable laws as well as those of its subcontractors or others for whom Contractor is responsible under its indemnity obligations provided for herein.

ARTICLE 23. COMPLIANCE WITH STATE STORM WATER PERMIT

a. The Contractor shall be required to comply with all conditions of the State Water Resources Control Board National Pollutant Discharge Elimination System General Permit for Waste Discharge Requirements for Discharges of Storm Water Runoff Associated with Construction Activity ("Permit") for all construction activity which results in the disturbance of in excess of one acre of total land area. Failure to comply with the Permit is in violation of federal and state law. The Contractor hereby agrees to provide indemnification pursuant to these General Conditions and the Contract.

b. In addition to compliance with the Permit, Contractor shall comply with the lawful requirements of any applicable municipality, the Owner, drainage district, and other local agencies regarding discharges of storm water to the storm drain system or other watercourses under their jurisdiction, including applicable requirements in municipal storm water management programs.

c. Storm, surface, nuisance, or other waters may be encountered at various times during construction of the Work. The Contractor, by submitting a Bid, hereby acknowledges that it has investigated the risk arising from such waters, has prepared its Bid accordingly, and assumes any and all risks and liabilities arising therefrom.

d. Failure to comply with the Permit is a violation of federal and state law. Contractor hereby agrees to indemnify and hold harmless the Agency, the Owner, its officials, officers, agents, employees and authorized volunteers from and against any and all claims, demands, losses or liabilities of any kind or nature which Agency or Owner, its officials, officers, agents, employees and authorized volunteers may sustain or incur for noncompliance with the Permit arising out of or in connection with the Project, except for liability resulting from the sole established negligence, willful misconduct or active negligence of the Agency or Owner, its officials, officers, agents, employees or authorized volunteers. Agency may seek damages from Contractor for delay in completing the Contract in accordance with the Contract Documents, caused by Contractor’s failure to comply with the Permit.

ARTICLE 24. CLEANING UP

a. Contractor at all times shall keep premises free from debris such as waste, rubbish, and excess materials and equipment. Contractor shall not store debris under, in, or about the premises. Upon completion of Work, Contractor shall clean the interior and exterior of the building or improvement including fixtures, equipment, walls, floors, ceilings, roofs, window sills and ledges, horizontal projections, and any areas where debris has collected so surfaces are free from foreign material or discoloration. Contractor shall clean and polish all glass, plumbing fixtures, and finish hardware and similar finish surfaces and equipment and contractor shall also remove temporary fencing, barricades, planking and construction toilet and similar temporary facilities from Site. Contractor shall also clean all buildings, asphalt and concrete areas to the degree necessary to remove oil, grease, fuel, or other stains caused by Contractor operations or equipment.

b. Contractor shall fully clean up the Site at the completion of The Work. If the Contractor fails to immediately clean up at the completion of The Work, the Agency may do so and the cost of such clean up shall be charged back to the Contractor.

ARTICLE 25. LAYOUT AND FIELD ENGINEERING

All field engineering required for laying out The Work and establishing grades for earthwork operations shall be furnished by the Contractor at its expense. Layout shall be done by a registered civil engineer Approved by the Agency Representative. Any required “as-built” drawings of the Work shall be prepared by the registered civil engineer.

ARTICLE 26. EXCESSIVE NOISE

a. The Contractor shall use only such equipment on the work and in such state of repair so that the emission of sound therefrom is within the noise tolerance level of that equipment as established by CAL-OSHA.

b. The Contractor shall comply with the most restrictive of the following: (1) local sound control and noise level rules, regulations and ordinances and (2) the requirements contained in these Contract Documents, including hours of operation requirements. No internal combustion engine shall be operated on the Project without a muffler of the type recommended by the manufacturer. Should any muffler or other control device sustain damage or be determined to be ineffective or defective, the Contractor shall promptly remove the equipment and shall not return said equipment to the job until the device is repaired or replaced. Said noise and vibration level requirements shall apply to all equipment on the job or related to the job, including but not limited to, trucks, transit mixers or transit equipment that may or may not be owned by the Contractor.

ARTICLE 27. TESTS AND INSPECTIONS

a. If the Contract Documents, the Agency Representative, or any instructions, laws, ordinances, or public authority require any part of The Work to be tested or Approved, Contractor shall provide the Agency Representative at least two (2) working days’ notice of its readiness for observation or inspection. If inspection is by a public authority other than the Agency, Contractor shall promptly inform the Agency of the date fixed for such inspection. Required certificates of inspection (or similar) shall be secured by Contractor.

Costs for Agency testing and Agency inspection shall be paid by the Agency. Costs of tests for Work found not to be in compliance shall be paid by the Contractor.

b. If any Work is done or covered up without the required testing or approval, the Contractor shall uncover or deconstruct the Work, and the Work shall be redone after completion of the testing at the Contractor's cost in compliance with the Contract Documents.

c. Where inspection and testing are to be conducted by an independent laboratory or agency, materials or samples of materials to be inspected or tested shall be selected by such laboratory or agency, or by the Agency, and not by Contractor. All tests or inspections of materials shall be made in accordance with the commonly recognized standards of national organizations.

d. In advance of manufacture of materials to be supplied by Contractor which must be tested or inspected, Contractor shall notify the Agency so that the Agency may arrange for testing at the source of supply. Any materials which have not satisfactorily passed such testing and inspection shall not be incorporated into The Work.

e. If the manufacture of materials to be inspected or tested will occur in a plant or location outside the geographic limits of Agency, the Contractor shall pay for any excessive or unusual costs associated with such testing or inspection, including but not limited to excessive travel time, standby time and required lodging.

f. Reexamination of Work may be ordered by the Agency. If so ordered, Work must be uncovered or deconstructed by Contractor. If Work is found to be in accordance with the Contract Documents, the Agency shall pay the costs of reexamination and reconstruction. If such work is found not to be in accordance with the Contract Documents, Contractor shall pay all costs.

ARTICLE 28. PROTECTION OF WORK AND PROPERTY

a. The Contractor shall be responsible for all damages to persons or property that occur as a result of The Work. Contractor shall be responsible for the proper care and protection of all materials delivered and Work performed until completion and final Acceptance by the Agency. All Work shall be solely at the Contractor's risk. Contractor shall adequately protect adjacent property from settlement or loss of lateral support as necessary. Contractor shall comply with all applicable safety laws and building codes to prevent accidents or injury to persons on, about, or adjacent to the Project Site where Work is being performed. Contractor shall erect and properly maintain at all times, as required by field conditions and progress of work, all necessary safeguards, signs, barriers, lights, and watchmen for protection of workers and the public, and shall post danger signs warning against hazards created in the course of construction.

b. In an emergency affecting safety of life or of work or of adjoining property, Contractor, without special instruction or authorization from the Agency Representative, is hereby permitted to act to prevent such threatened loss or injury; and Contractor shall so act, without appeal, if so authorized or instructed by the Agency Representative or the Agency. Any compensation claimed by Contractor on account of emergency work shall be determined by and agreed upon by the Agency and the Contractor.

c. Contractor shall provide such heat, covering, and enclosures as are necessary to protect all Work, materials, equipment, appliances, and tools against damage by weather conditions.

d. Contractor shall take adequate precautions to protect existing sidewalks, curbs, pavements, utilities, and other adjoining property and structures, and to avoid damage thereto, and Contractor shall repair any damage thereto caused by The Work operations. Contractor shall:

1) Enclose working area with a substantial barricade, and arrange work to cause minimum amount of inconvenience and danger to the public.

2) Provide substantial barricades around any shrubs or trees indicated to be preserved.

3) Deliver materials to the Project Site over a route designated by the Agency Representative.

4) Provide any and all dust control required and follow the Applicable air quality regulations as appropriate. If the Contractor does not comply, the Agency shall have the immediate authority to provide dust control and deduct the cost from payments to the Contractor.

5) Confine Contractor's apparatus, the storage of materials, and the operations of its workers to limits required by law, ordinances, permits, or directions of the Agency Representative. Contractor shall not unreasonably encumber the Project Site with its materials.

6) Take care to prevent disturbing or covering any survey markers, monuments, or other devices marking property boundaries or corners. If such markers are disturbed by accident, they shall be replaced by an approved civil engineer or land surveyor, at no cost to the Agency.

ARTICLE 29. CONTRACTORS MEANS AND METHODS

Contractor is solely responsible for the means and methods utilized to perform the Work. In no case shall the Contractor's means and methods deviate from commonly used industry standards.

ARTICLE 30. AUTHORIZED REPRESENTATIVES

The Agency shall designate representatives, who shall have the right to be present at the Project Site at all times. The Agency may designate an inspector who shall have the right to observe all of the Contractor's Work. The inspector is not authorized to make changes in the Contract Documents. The inspector shall not be responsible for the Contractor's failure to carry out The Work in accordance with the Contract Documents. Contractor shall provide safe and proper facilities for such access.

ARTICLE 31. PROHIBITION ON HARASSMENT

The Agency is committed to providing a campus and workplace free of sexual harassment and harassment based on factors such as race, color, religion, national origin, ancestry, age,

medical condition, marital status, disability or veteran status. Harassment includes without limitation, verbal, physical or visual conduct which creates an intimidating, offensive or hostile environment such as racial slurs, ethnic jokes, posting of offensive statements, posters or cartoons or similar conduct.

The Contractor shall adopt and implement all appropriate and necessary policies prohibiting any form of discrimination in the workplace, including without limitation harassment on the basis of any classification protected under local, state or federal law, regulation or policy. The Contractor shall take all reasonable steps to prevent harassment from occurring, including without limitation affirmatively raising the subject of harassment among its employees, expressing strong disapproval of any form of harassment, developing appropriate sanctions, informing employees of their right to raise and how to raise the issue of harassment and informing complainants of the outcome of an investigation into a harassment claim. The Contractor shall require that any subcontractor performing any portion of the work on the Project to adopt and implement policies in conformity with this Article.

The Contractor shall not permit any person, whether employed by the Contractor, a subcontractor, sub-subcontractor, or any other person or entity, performing any work on the Project at or about the Site to engage in any prohibited form of harassment. Any such person engaging in a prohibited form of harassment directed to any individual performing or providing any portion of The Work at or about the Site shall be subject to appropriate sanctions in accordance with the Contractor's anti-harassment policy adopted and implemented pursuant to this Article. Any person performing or providing work on the Project on or about the Site who engages in a prohibited form of harassment directed to any student, faculty member or staff of the Agency or directed to any other person on or about the Site shall be subject to immediate removal and shall be prohibited thereafter from providing or performing any portion of The Work on the Project.

ARTICLE 32. HOURS OF WORK

a. Eight (8) hours of work shall constitute a legal day's work. The Contractor and each subcontractor shall forfeit, as penalty to the Agency, twenty-five dollars ($25) for each worker employed in the execution of Work by the Contractor or any subcontractor for each day during which such worker is required or permitted to work more than eight (8) hours in any one day and forty (40) hours in any week in violation of the provisions of the Labor Code, and in particular, Section 1810 to Section 1815, except that work may be performed by employees of the Contractor and his subcontractors in excess of eight hours per day at not less than one and one-half times the basic rate of pay, as provided in Labor Code Section 1815.

b. Work shall be accomplished on a regularly scheduled eight (8) hour per day work shift basis, Monday through Friday, between the hours of 7:00 a.m. and 5:00 p.m., unless specifically approved in writing by the Agency Representative.

c. It shall be unlawful for any person to operate, permit, use, or cause to operate any of the following at the Project Site, other than between the hours of 7:00 a.m. to 5:00 p.m., Monday through Friday, with no Work allowed on Owner-observed holidays, unless otherwise specifically approved in writing by the Agency Representative:

    1) Powered Vehicles

2) Construction Equipment

3) Loading and Unloading Vehicles

4) Domestic Power Tool.

ARTICLE 33. PAYROLL RECORDS

a. Pursuant to Labor Code Section 1776, the Contractor and each subcontractor shall maintain weekly certified payroll records showing the name, address, social security number, work classification, straight time and overtime hours paid each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker or other employee employed in connection with the work. Contractor shall certify under penalty of perjury that records maintained and submitted by Contractor are true and accurate. Contractor shall also require subcontractor(s) to certify weekly payroll records under penalty of perjury.

b. In accordance with Labor Code section 1771.4, the Contractor and each subcontractor shall furnish the certified payroll records directly to the Department of Industrial Relations ("DIR") on a weekly basis and in the format prescribed by the DIR, which may include electronic submission. Contractor shall comply with all requirements and regulations from the DIR relating to labor compliance monitoring and enforcement.

c. The payroll records described herein shall be certified and submitted by the Contractor at a time designated by the Agency. The Contractor shall also provide the following:

1) A certified copy of the employee's payroll records shall be made available for inspection or furnished to such employee or his or her authorized representative on request.

2) A certified copy of all payroll records described herein shall be made available for inspection or furnished upon request of the DIR.

d. Unless submitted electronically, the certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement ("DLSE") of the DIR or shall contain the same information as the forms provided by the DLSE.

e. Any copy of records made available for inspection and furnished upon request to the public shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address, and social security number. The name and address of the Contractor or any subcontractor shall not be marked or obliterated.

f. In the event of noncompliance with the requirements of this Section, the Contractor shall have ten (10) days in which to comply subsequent to receipt of written notice specifying any item or actions necessary to ensure compliance with this section. Should noncompliance still be evident after such ten (10) day period, the Contractor shall, as a penalty to the Agency, forfeit One Hundred Dollars ($100.00) for each day, or portion thereof, for each worker until strict compliance is effectuated. Upon the request of the DIR, such penalties shall be withheld from contract payments.

ARTICLE 34. PREVAILING RATES OF WAGES

a. The Contractor is aware of the requirements of Labor Code Sections 1720 et seq. and 1770 et seq., as well as California Code of Regulations, Title 8, Section 16000 et seq. ("Prevailing Wage Laws"), which require the payment of prevailing wage rates and the performance of other requirements on certain "public works" and "maintenance" projects. Since this Project involves an applicable "public works" or "maintenance" project, as defined by the Prevailing Wage Laws, and since the total compensation is $1,000 or more, Contractor agrees to fully comply with such Prevailing Wage Laws. The Contractor shall obtain a copy of the prevailing rates of per diem wages at the commencement of this Agreement from the website of the Division of Labor Statistics and Research of the Department of Industrial Relations located at https://www.dir.ca.gov/oprl/DPreWageDetermination.htm. Contractor shall make copies of the prevailing rates of per diem wages for each craft, classification or type of worker needed to perform work on the Project available to interested parties upon request, and shall post copies at the Contractor's principal place of business and at the Project Site. Contractor shall defend, indemnify and hold the the Agency, the Owner, its elected officials, officers, employees and agents free and harmless from any claims, liabilities, costs, penalties or interest arising out of any failure or allege failure to comply with the Prevailing Wage Laws.

b. The Contractor and each subcontractor shall forfeit as a penalty to the Agency not more than Two Hundred Dollars ($200.00) for each calendar day, or portion thereof, for each worker paid less than the stipulated prevailing wage rate for any work done by him, or by any subcontract under him, in violation of the provisions of the Labor Code. The difference between such stipulated prevailing wage rate and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Contractor.

c. Contractor shall post, at appropriate conspicuous points on the Project Site, a schedule showing all determined general prevailing wage rates and all authorized deductions, if any, from unpaid wages actually earned.

d. As a further material part of this Contract, Consultant agrees to hold harmless and indemnify the the Agency, the Owner, its Board and each member of the Board, its officers, employees and agents from any and all claims, liability, loss, costs, damages, expenses, fines and penalties, of whatever kind or nature, including all costs of defense and attorneys' fees, arising from any alleged failure of Contractor or its subcontractors to comply with the prevailing wage laws of the State of California. If the Agency or any of the indemnified parties are named as a party in any dispute arising from the failure of Contractor or its subcontractors to pay prevailing wages, Contractor agrees that the Agency and the other indemnified parties may appoint their own independent counsel, and Contractor agrees to pay all attorneys' fees and defense costs of the Agency and the other indemnified parties as billed, in addition to all other damages, fines, penalties and losses incurred by the Agency and the other indemnified parties as a result of the action.

ARTICLE 35. PUBLIC WORKS CONTRACTOR REGISTRATION

Pursuant to Labor Code sections 1725.5 and 1771.1, the Contractor and its subcontractors must be registered with the Department of Industrial Relations prior to the execution of a contract to perform public works. By entering into this Contract, Contractor represents that it is aware of the

registration requirement and is currently registered with the DIR. Contractor shall maintain a current registration for the duration of the Project. Contractor shall further include the requirements of Labor Code sections 1725.5 and 1771.1 in any subcontract and ensure that all subcontractors are registered at the time this Contract is entered into and maintain registration for the duration of the Project.

ARTICLE 36. LABOR COMPLIANCE; STOP ORDERS

This Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. It shall be the Contractor's sole responsibility to evaluate and pay the cost of complying with all labor compliance requirements under this Contract and applicable law. Any stop orders issued by the Department of Industrial Relations against Contractor or any subcontractor that affect Contractor's performance of Work, including any delay, shall be Contractor's sole responsibility. Any delay arising out of or resulting from such stop orders shall be considered Contractor caused delay subject to any applicable liquidated damages and shall not be compensable by the Agency. Contractor shall defend, indemnify and hold the Agency and the Owner, and, its officials, officers, employees and agents free and harmless from any claim or liability arising out of stop orders issued by the Department of Industrial Relations against Contractor or any subcontractor.

ARTICLE 37. EMPLOYMENT OF APPRENTICES

The Contractor's attention is directed to the provisions of Sections 1777.5, 1777.6, and 1777.7 of the Labor Code concerning employment of apprentices by the Contractor or any subcontractor. The Contractor shall obtain a certificate of apprenticeship before employing any apprentice pursuant to Section 1777.5, 1777.6, and 1777.7 of the Labor Code. Information relative to apprenticeship standards, wage schedules, and other requirements may be obtained from the Director of Industrial Relations, the Administrator of Apprenticeships, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices. Knowing violations of Section 1777.5 will result in forfeiture not to exceed $100 for each calendar day of non-compliance pursuant to Section 1777.7.

ARTICLE 38. NONDISCRIMINATION/EQUAL EMPLOYMENT OPPORTUNITY

Pursuant to Labor Code Section 1735 and other applicable provisions of law, the Contractor and its subcontractors shall not discriminate against any employee or applicant for employment because of race, color, religion, sex, national origin, age, political affiliation, marital status, or handicap on this Project. The Contractor will take affirmative action to insure that employees are treated during employment or training without regard to their race, color, religion, sex, national origin, age, political affiliation, marital status, or handicap.

ARTICLE 39. DEBARMENT OF CONTRACTORS AND SUBCONTRACTORS

Contractors or subcontractors may not perform work on a public works project with a subcontractor who is ineligible to perform work on a public project pursuant to Labor Code Section 1777.1 or 1777.7. Any contract on a public works project entered into between a contractor and a debarred subcontractor is void as a matter of law. A debarred subcontractor may not receive any public money for performing work as a subcontractor on a public works contract. Any public money that is paid, or may have been paid to a debarred subcontractor by a contractor on the project shall be returned to the Agency. The Contractor shall be responsible for the payment of wages to workers of a debarred subcontractor who has been allowed to work on the project.

ARTICLE 40. LABOR/EMPLOYMENT SAFETY

The Contractor shall maintain emergency first aid treatment for his employees which complies with the Federal Occupational Safety and Health Act of 1970 (29 U.S.C. § 651 et seq.), and California Code of Regulations, Title 8, Industrial Relations Division 1, Department of Industrial Relations, Chapter 4.

ARTICLE 41. WORKERS' COMPENSATION INSURANCE

The Contractor shall provide, during the life of this Contract, workers' compensation insurance for all of the employees engaged in Work under this Contract, on or at the Project Site, and, in case any of sublet Work, the Contractor shall require the subcontractor similarly to provide workers' compensation insurance for all the latter's employees as prescribed by State law. Any class of employee or employees not covered by a subcontractor's insurance shall be covered by the Contractor's insurance. In case any class of employees engaged in work under this Contract, on or at the Project Site, is not protected under the Workers' Compensation Statutes, the Contractor shall provide or shall cause a subcontractor to provide, adequate insurance coverage for the protection of such employees not otherwise protected. The Contractor is required to secure payment of compensation to his employees in accordance with the provisions of Section 3700 of the Labor Code. The Contractor shall file with the Agency certificates of his insurance protecting workers. Company or companies providing insurance coverage shall be acceptable to the Agency, if in the form and coverage as set forth in the Contract Documents.

ARTICLE 42. EMPLOYER'S LIABILITY INSURANCE – See Also Special Conditions

Contractor shall provide during the life of this Contract, Employer's Liability Insurance, including Occupational Disease, in the amount of, at least, one million dollars ($1,000,000.00) per person per accident. Contractor shall provide Agency with a certificate of Employer's Liability Insurance. Such insurance shall comply with the provisions of the Contract Documents. The policy shall be endorsed, if applicable, to provide a Borrowed Servant/Alternate Employer Endorsement and contain a Waiver of Subrogation in favor of the Agency.

ARTICLE 43. COMMERCIAL GENERAL LIABILITY INSURANCE – See Also Special Conditions

a. Contractor shall procure and maintain during the life of this Contract and for such other period as may be required herein, at its sole expense, Commercial General Liability insurance coverage, including but not limited to, premises liability, contractual liability, products/completed operations if applicable, personal and advertising injury – which may arise from or out of Contractor's operations, use, and management of the Project Site, or the performance of its obligations hereunder. Policy limits shall not be less than one million dollars ($1,000,000.00) per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project/location or the general aggregate limit shall be twice the required occurrence limit.

b. Such policy shall comply with all the requirements of the Contract Documents. The limits set forth herein shall apply separately to each insured against whom claims are made or suits are brought, except with respect to the limits of liability. Further the limits set forth herein shall not be construed to relieve the Contractor from liability in excess of such coverage, nor shall it limit Contractor's indemnification obligations to the Agency, and shall

not preclude the Agency from taking such other actions available to the Agency under other provisions of the Contract Documents or law.

c. Contractor shall make certain that any and all subcontractors hired by Contractor are insured in accordance with this Contract. If any subcontractor's coverage does not comply with the foregoing provisions, Contractor shall indemnify and hold the the Agency, the Owner harmless from any damage, loss, cost, or expense, including attorneys' fees, incurred by the Agency as a result thereof.

d. Company or companies providing insurance coverage shall be acceptable to the Agency and authorized to conduct business in the State of California.

e. All general liability policies provided pursuant to the provisions of this Article shall comply with the provisions of the Contract Documents.

f. All general liability policies shall be written to apply to all bodily injury, including death, property damage, personal injury, owned and non-owned equipment, blanket contractual liability, completed operations liability, explosion, collapse, under-ground excavation, removal of lateral support, and other covered loss, however occasioned, occurring during the policy term, and shall specifically insure the performance by Contractor of that part of the indemnification contained in these General Conditions, relating to liability for injury to or death of persons and damage to property. If the coverage contains one or more aggregate limits, a minimum of 50% of any such aggregate limit must remain available at all times; if over 50% of any aggregate limit has been paid or reserved, the Agency may require additional coverage to be purchased by Contractor to restore the required limits. Contractor may combine primary, umbrella, and as broad as possible excess liability coverage to achieve the total limits indicated above. Any umbrella or excess liability policy shall include the additional insured endorsement described in the Contract Documents.

ARTICLE 44. AUTOMOBILE LIABILITY INSURANCE – See Also Special Conditions

Contractor shall take out and maintain at all times during the term of this Contract Automobile Liability Insurance in the amount of, at least, one million dollars ($1,000,000). Such insurance shall provide coverage for bodily injury and property damage including coverage for non-owned and hired vehicles, in a form and with insurance companies acceptable to the Agency. Such policy shall comply with all the requirements of the Contract Documents. Company or companies providing insurance coverage shall be acceptable to the Agency and authorized to conduct business in the State of California.

ARTICLE 45. BUILDER'S RISK ["ALL RISK"]

a. It is the Contractor's responsibility to maintain or cause to be maintained Builder's Risk ["All Risk"] extended coverage insurance on all work, material, equipment, appliances, tools, and structures which are a part of the Contract and subject to loss or damage by fire, and vandalism and malicious mischief, in an amount to cover 100% of the replacement cost. The District accepts no responsibility until the Project is issued a Letter of Acceptance and Completion by Agency. The Contractor is required to file with the Agency a certificate evidencing fire insurance coverage.

b. Provide insurance coverage on completed value form, all-risk or special causes of loss coverage.

1) Insurance policies shall be so conditioned as to cover the performance of any extra work performed under the Contract.

2) Coverage shall include all materials stored on Site and in transit.

3) Coverage shall include Contractor's tools and equipment.

4) Insurance shall include boiler, machinery and material hoist coverage.

c. Such insurance shall comply with all provisions of the Contract Documents.

ARTICLE 46. FORM AND PROOF OF CARRIAGE OF INSURANCE

a. Any insurance carrier providing insurance coverage required by the Contract Documents shall be admitted to and authorized to do business in the State of California unless waived, in writing, by the Agency's Risk Manager. Carrier(s) shall have an A.M. Best rating of not less than an A:VIII. Insurance deductibles or self-insured retentions must be declared by the Contractor, and such deductibles and retentions shall have the prior written consent from the Agency. At the election of the Agency the Contractor shall either: 1) reduce or eliminate such deductibles or self-insured retentions, or 2) procure a bond which guarantees payment of losses and related investigations, claims administration, and defense costs and expenses.

b. Contractor shall cause its insurance carrier(s) to furnish the Agency with either 1) a properly executed original Certificates(s) of Insurance and certified original copies of Endorsements effecting coverage as required herein, or 2) if requested to do so in writing by the Agency Risk Manager, provide original Certified copies of policies including all Endorsements and all attachments thereto, showing such insurance is in full force and effect. The Agency, the Owner, and, its Directors and officers, employees, agents or representatives shall be named as Additional Insureds on all policies of Commercial General Liability and Automobile Liability Insurance and Contractor shall provide a Waiver of Subrogation in favor of those parties. Further, said Certificates(s) and policies of insurance shall contain the covenant of the insurance carrier(s) that shall provide no less than thirty (30) days written notice be given to the Agency prior to any material modification or cancellation of such insurance. In the event of a material modification or cancellation of coverage, the Agency may terminate or Stop Work pursuant to the Contract Documents, unless the Agency receives, prior to such effective date, another properly executed original Certificate of Insurance and original copies of endorsements or certified original policies, including all endorsements and attachments thereto evidencing coverages set forth herein and the insurance required herein is in full force and effect. Contractor shall not take possession, or use the Project Site, or commence operations under this Agreement until the Agency has been furnished original Certificate(s) of Insurance and certified original copies of Endorsements or policies of insurance including all Endorsements and any and all other attachments as required in this Section. The original Endorsements for each policy and the Certificate of Insurance shall be signed by an individual authorized by the insurance carrier to do so on its behalf.

c. It is understood and agreed to by the parties hereto and the insurance company(s), that the Certificate(s) of Insurance and policies shall so covenant and shall be construed as primary, and the Agency's insurance and/or deductibles and/or self-insured retentions or self-insured programs shall not be construed as contributory.

d. The Agency reserves the right to adjust the monetary limits of insurance coverage's during the term of this Contract including any extension thereof-if in the Agency's reasonable judgment, the amount or type of insurance carried by the Contractor becomes inadequate.

e. Contractor shall pass down the insurance obligations contained herein to all tiers of sub-contractors working under this Contract.

ARTICLE 47. TIME FOR COMPLETION AND LIQUIDATED DAMAGES – See Also Special Conditions

a. **Time for Completion/Liquidated Damages.** Work shall be commenced within ten (10) days of the date stated in the Agency's Notice to Proceed and shall be completed by Contractor in the time specified in the Contract Documents. The Agency is under no obligation to consider early completion of the Project; and the Contract completion date shall not be amended by the Agency's receipt or acceptance of the Contractor's proposed earlier completion date. Furthermore, Contractor shall not, under any circumstances, receive additional compensation from the Agency (including but not limited to indirect, general, administrative or other forms of overhead costs) for the period between the time of earlier completion proposed by the Contractor and the Contract completion date. If The Work is not completed as stated in the Contract Documents, it is understood that the Agency will suffer damage. In accordance with Government Code section 53069.85, being impractical and infeasible to determine the amount of actual damage, it is agreed that Contractor shall pay to the Agency as fixed and liquidated damages, and not as a penalty, the sum stipulated in the Contract for each day of delay until The Work is fully completed. Contractor and its surety shall be liable for any liquidated damages. Any money due or to become due the Contractor may be retained to cover liquidated damages.

b. **Inclement Weather.** If adverse weather conditions are the basis for a request for an extension of time, the Contractor must document the claim in writing and submit it to the Agency Representative within five (5) days of the cited weather conditions, with data substantiating that weather conditions were abnormal as compared to the average historical climate conditions based on the preceding ten year records published b the National Oceanic and Atmospheric Administration ("NOAA") entitled "Local Climatological Data" for the period of time. Time extensions for inclement weather shall only be granted when the Work stopped during inclement weather is on the critical path of the Project schedule. Where causes of delays are unusually severe weather as described herein, any time extension will be considered to be excusable, however it shall not be compensable, including any costs that would be borne by the Contractor in the regular course of business, including but not limited to home office overhead and ongoing insurance costs. The Contractor is responsible for all costs associated with such delay. The sole remedy of the Contractor for such inclement weather shall be the grant of a time extension directly related to the delay. Contractor shall abide the Agency Representative's determination of what constitutes excusable inclement weather pursuant to this section. Refer to Specification Section 01360 Construction Schedule for inclement weather related delays and extensions.

c. **Extension of Time.** Contractor shall not be charged liquidated damages because of any delays in completion of The Work due to unforeseeable causes beyond the control and without the fault or negligence of Contractor (or its subcontractors or suppliers). Contractor shall within five (5) Days of identifying any such delay notify the Agency in

writing of causes of delay. The Agency shall ascertain the facts and extent of delay and grant extension of time for completing The Work when, in its judgment, the facts justify such an extension. Time extensions to the Project shall be requested by the Contractor as they occur and without delay. No delay claims shall be permitted unless the event or occurrence delays the completion of the Project beyond the Contract completion date.

d. **No Damages for Reasonable Delay.** The Agency's liability to Contractor for delays for which the Agency is responsible shall be limited to only an extension of time unless such delays were unreasonable under the circumstances. In no case shall the Agency be liable for any costs which are borne by the Contractor in the regular course of business, including, but not limited to, home office overhead and other ongoing costs. Damages caused by unreasonable Agency delay, including delays caused by items that are the responsibility of the Agency pursuant to Government Code section 4215, shall be based on actual costs only, no proportions or formulas shall be used to calculate any delay damages.

ARTICLE 48. COST BREAKDOWN AND PERIODIC ESTIMATES

Contractor shall furnish on forms Approved by the Agency:

a. Within ten (10) Days of award of the Contract a detailed estimate giving a complete breakdown of the Contract price;

b. A monthly itemized estimate of Work done for the purpose of making progress payments. In order for the Agency to consider and evaluate each progress payment application, the Contractor shall submit a detailed measurement of Work performed and a progress estimate of the value thereof before the tenth (10th) Day of the following month.

c. Contractor shall submit, with each of its payment requests, an adjusted list of actual quantities, verified by the Agency Representative, for unit price items listed, if any, in the Bid Form.

d. Following the Agency's Acceptance of the Work, the Contractor shall submit to the Agency a written statement of the final quantities of unit price items for inclusion in the final payment request.

e. The Agency shall have the right to adjust any estimate of quantity and to subsequently correct any error made in any estimate for payment.

Contractor shall certify under penalty of perjury, that all cost breakdowns and periodic estimates accurately reflect the Work on the Project. Refer to Specification Section 01050 Schedule of Values for further information related to this Article.

ARTICLE 49. MOBILIZATION

a. When a bid item is included in the Bid Form for mobilization, the costs of Work in advance of construction operations and not directly attributable to any specific bid item will be included in the progress estimate ("Initial Mobilization"). When no bid item is provided for "Initial Mobilization," payment for such costs will be deemed to be included in the other items of The Work.

b. Payment for Initial Mobilization based on the lump sum provided in the Bid Form, which shall constitute full compensation for all such Work. No payment for Initial Mobilization will be made until all of the listed items have been completed to the satisfaction of the Agency Representative. The scope of the Work included under Initial Mobilization shall include, but shall not be limited to, the following principal items:

1. Obtaining and paying for all bonds, insurance, and permits.

2. Moving on to the Project Site of all Contractor's plant and equipment required for first month's operations.

3. Installing temporary construction power, wiring, and lighting facilities.

4. Establishing fire protection system.

5. Developing and installing a construction water supply.

6. Providing on-Site sanitary facilities and potable water facilities as specified per Cal-OSHA and these Contract Documents.

7. Furnishing, installing, and maintaining all storage buildings or sheds required for temporary storage of products, equipment, or materials that have not yet been installed in the Work. All such storage shall meet manufacturer's specified storage requirements, and the specific provisions of the specifications, including temperature and humidity control, if recommended by the manufacturer, and for all security.

8. Arranging for and erection of Contractor's work and storage yard.

9. Posting all OSHA required notices and establishment of safety programs per Cal-OSHA.

10. Full-time presence of Contractor's superintendent at the job Site as required herein.

11. Submittal of Construction Schedule as required by the Contract Documents.

ARTICLE 50. PAYMENTS

a. The Agency shall make monthly progress payments following receipt of undisputed and properly submitted payment requests. Contractor shall be paid a sum equal to ninety five percent (95%) of the value of Work performed up to the last day of the previous month, less the aggregate of previous payments. Notwithstanding the foregoing, Contractor shall not be entitled to payment for work so long as any lawful or proper direction concerning the Work or any portion thereof given by the Agency, Agency's Representative, or the Architect shall remain uncomplied with.

b. The Contractor shall, after the full completion of The Work, submit a final payment application. All prior progress estimates shall be subject to correction in the final estimate and payment.

c. Unless otherwise required by law, the final payment of five percent (5%) of the value of the Work, if unencumbered, shall be paid no later than sixty (60) Days after the date of recordation of the Notice of Completion.

d. Acceptance by Contractor of the final payment shall constitute a waiver of all claims against the Agency and Owner arising from this Contract.

e. Payments to the Contractor shall not be construed to be an acceptance of any defective work or improper materials, or to relieve the Contractor of its obligations under the Contract Documents.

f. The Contractor shall submit with each payment request the Contractor's conditional waiver of lien for the entire amount covered by such payment request, as well as a valid unconditional waiver of lien from the Contractor and all subcontractors and materialmen for all work and materials included in any prior invoices. Waivers of lien shall be in the forms prescribed by California Civil Code Section 8134. Prior to final payment by the Agency, the Contractor shall submit a final waiver of lien for the Contractor's work, together with releases of lien from any subcontractor or materialmen.

g. Unless otherwise required by law, the final payment of five percent (5%) of the value of the Work, if unencumbered, shall be paid no later than sixty (60) days after the date of Completion, provided however, that in the event of a dispute between the Agency and the Contractor, the Agency may withhold from the final payment an amount not to exceed one hundred and fifty percent (150%) of the disputed amount. Completion means any of the following as provided by Public Contract Code section 7107:

    i. The occupation, beneficial use, and enjoyment of a work of improvement, excluding any operation only for testing, startup, or commissioning, by the Owner, or its agent, accompanied by cessation of labor on the work of improvement.

    ii. The acceptance by the AGENCY, or its agent, or the work of improvement.

    iii. After the commencement of a work of improvement, a cessation of labor on the work of improvement for a continuous period of 100 calendar days or more, due to factors beyond the control of the Contractor.

    iv. After the commencement of a work of improvement, a cessation of labor on the work of improvement for a continuous period of 30 calendar days or more, if the AGENCY files for record a notice of cessation or a notice of completion.

h. Prior to final payment, the Contractor shall submit a final waiver of lien for the Contractor's Work together with releases of lien from any of its subcontractor or materialmen, pursuant to Civil Code Section 8138. The final payment shall not be due and payable until the expiration of thirty-five (35) calendar days from the date of acceptance of the work by the Agency, via written letter of Acceptance and Completion.

i. No payment (final or otherwise) made under or in connection with this Agreement shall be conclusive evidence of the performance of the Work or of this Agreement, in whole or in part, and no such payment shall be construed to be an acceptance of defective, faulty or improper work or materials nor shall it release the Contractor from any of its obligations

under this Agreement; nor shall entrance and use by the Agency constitute acceptance of the Work or any part thereof.

j. For purposes of this Contract, the acceptance by the Agency means acceptance made in writing, signed by Agency's Representative. At any time after fifty percent (50%) of the work has been completed, if the Agency, by action of its governing body, finds that satisfactory progress is being made, the Agency may make any of the remaining payments in full for actual work completed or may withhold any amount up to five percent (5%) thereof as the Agency may find appropriate based on the Contractor's progress.

k. Prior to, and as a condition precedent for final payment, Contractor shall provide the Agency with written documentation identifying the amount paid to Disabled Veteran Business Enterprises (DVBE), and shall submit the certification letter issued by the Office of Small Business Certification and Resources verifying the DVBE status of the subject subcontractors. This documentation is required regardless of whether DVBE subcontractors were utilized in the performance of the Contract.

l. No certificate given or payments made under the Contract, except the final certificate or final payment shall be evidence of the performance of the Contract, either wholly or in part, and no payment shall be construed to be an acceptance of any defective work or improper materials.

m. Whenever any part of the work is in a condition suitable for use, and the best interest of the Agency requires such use, the Agency may take possession of, connect to, open for public use, or use a part thereof. When so used, maintenance and repairs due to ordinary wear and tear or vandalism will be made at Agency's expense. The use by the Agency/Owner as contemplated in this Article shall in no case be construed as constituting acceptance of the work or any part thereof. Such use shall neither relieve the Contractor of any of his responsibilities under the Contract nor act as a waiver by the Agency of any of the conditions thereof. Contractor shall continue to maintain all insurance, including Builder's Risk insurance, on the Project.

ARTICLE 51. PAYMENTS WITHHELD AND BACK CHARGES

In addition to amounts which the Agency may retain under other provisions of the Contract Documents the Agency may withhold payments due to Contractor as may be necessary to cover:

a. Stop Payment Notice Claims.

b. Defective work not remedied.

c. Failure of Contractor to make proper payments to its subcontractors or suppliers.

d. Completion of the Contract if there exists a reasonable doubt that the work can be completed for balance then unpaid.

e. Damage to another contractor or third party.

f. Amounts which may be due the Agency for claims against Contractor.

g. Failure of Contractor to keep the record ("as-built") drawings up to date.

h. Failure to provide updates on the construction schedule and/or a recovery schedule if required.

i. Site clean up.

j. Failure of the Contractor to comply with requirements of the Contract Documents, including but not limited to Contractor's failure to provide approved complete as-builts prior to filing of Notice of Completion.

k. Liquated damages.

l. Legally permitted penalties.

The Agency may apply such withheld amount or amounts to payment of such claims or obligations at its discretion with the exception of subsections (a), (c) and (e) of this Article, which must be retained or applied in accordance with applicable law. In so doing, the Agency shall be deemed the agent of Contractor and any payment so made by the Contractor shall be considered as a payment made under contract by the Agency to Contractor and the Agency shall not be liable to Contractor for such payments made in good faith. Such payments may be made without prior judicial determination of the claim or obligations. The Agency will render Contractor a proper accounting of such funds disbursed on behalf of the Contractor.

Upon completion of the Contract, the Agency will reduce the final Contract amount to reflect costs charged to the Contractor, back charges or payments withheld pursuant to the Contract Documents.

ARTICLE 52. CHANGES AND EXTRA WORK

a. Owner Initiated Change. The Agency, without invalidating the Contract, may order changes in the Work consisting of additions, deletions or other revisions, the Contract amount and Contract time being adjusted accordingly. All such changes in the Work shall be authorized by written Change Order, and shall be performed under the applicable conditions of the Contract Documents. A Change Order signed by the Contractor indicates the Contractor's agreement therewith, including any adjustment in the Contract amount or the Contract time, and the full and final settlement of all costs (direct, indirect and overhead) related to the Work authorized by the Change Order.

    1. The Contractor must submit a complete cost proposal, including any change in the Contract time, within seven (7) Days after receipt of a scope of a proposed Change Order, unless the Agency requests that proposals be submitted in less than seven (7) Days.

b. Contractor Initiated Change. The Contractor must give written notice to the Agency Representative of a proposed Change Order required for compliance with the Contract Documents within seven (7) Days of discovery of the facts giving rise to the proposed change order.

c. Contract Price Adjustment.

    1. All claims for additional compensation to the Contractor shall be presented in writing before the expense is incurred and will be adjusted as provided herein. No

Work shall be allowed to lag pending such adjustment, but shall be promptly executed as directed, even if a dispute arises. No claim will be considered after the Work in question has been done unless a written contract change order has been issued or a timely written notice of claim has been made by Contractor. Contractor shall not be entitled to claim or bring suit for damages, whether for loss of profits or otherwise, on account of any decrease or omission of any item or portion of Work to be done. Whenever any change is made as provided for herein, such change shall be considered and treated as though originally included in the Contract, and shall be subject to all terms, conditions and provisions of the original Contract.

2. Whenever possible, any changes to the Contract amount shall be in a lump sum mutually agreed to by the Contractor and the Agency.

3. All price quotations submitted by the Contractor shall be accompanied by sufficiently detailed supporting documentation to permit verification by the Agency.

d. Force Account Work. If the Contractor fails to submit the cost proposal for a Change Order within the seven (7) Day period (or as requested), the Agency has the right to order the Contractor in writing to commence the Work immediately on a force account basis and/or issue a lump sum change to the Contract price in accordance with the Agency's estimate of cost. If the change is issued based on the Agency estimate, the Contractor will waive its right to dispute the action unless within fifteen (15) Days following completion of the added/deleted Work, the Contractor presents written proof that the Agency's estimate was in error.

e. Cost Estimates. Estimates for lump sum quotations and accounting for cost-plus-percentage Work shall be limited to direct expenditures necessitated specifically by the subject extra work, and shall be segregated as follows:

(a) Labor. The costs of labor will be the actual cost for wages prevailing locally for each craft or type of worker at the time the extra work is done, plus employer payments of payroll taxes and insurance, health and welfare, pension, vacation, apprenticeship funds, and other direct costs resulting from Federal, State or local laws, as well as assessment or benefits required by lawful collective bargaining agreements. The use of a labor classification which would increase the extra work cost will not be permitted unless the Contractor establishes the necessity for such additional costs. Labor costs for equipment operators and helpers shall be reported only when such costs are not included in the invoice for equipment rental.

(b) Materials. The cost of materials reported shall be at invoice or lowest current price at which such materials are locally available in the quantities involved, plus sales tax, freight and delivery. Materials cost shall be based upon supplier or manufacturer's invoice. If invoices or other satisfactory evidence of cost are not furnished within fifteen (15) Days of delivery, then the Agency Representative shall determine the materials cost, at its sole discretion.

(c) Tool and Equipment Use. No payment will be made for the use of small tools, tools which have a replacement value of $1,000 or less. Regardless of ownership, the rates to be used in determining equipment use costs shall not exceed listed rates prevailing locally at equipment rental agencies, or distributors, at the time the Work is performed.

(d) Overhead, Profit and Other Charges. The mark-up for overhead (including supervision) and profit on Work added to the Contract shall be according to the following:

i. "Net Cost" is defined as consisting of costs of labor, materials and tools and equipment only excluding overhead and profit. The costs of applicable insurance and bond premium will be reimbursed to the Contractor and subcontractors at cost only, without mark-up.

ii. For Work performed by the Contractor's forces the added cost for overhead and profit shall not exceed fifteen (15%) percent of the Net Cost of the Work.

iii. For Work performed by a subcontractor, the added cost for overhead and profit shall not exceed fifteen (15%) percent of the Net Cost of the Work to which the Contractor may add five (5%) percent of the subcontractor's Net Cost.

iv. For Work performed by a sub-subcontractor the added cost for overhead and profit shall not exceed fifteen (15 %) percent of the Net Cost for Work to which the subcontractor and general Contractor may each add an additional five (5 %) percent of the Net Cost of the lower tier subcontractor.

iv. No additional mark-up will be allowed for lower tier subcontractors, and in no case shall the added cost for overhead and profit payable by Agency exceed twenty-five (25%) percent of the Net Cost as defined herein.

(e) For added or deducted Work by subcontractors, the Contractor shall furnish to the Agency the subcontractor's signed detailed estimate of the cost of labor, material and equipment, including the subcontractor markup for overhead and profit. The same requirement shall apply to sub-subcontractors.

(f) For added or deducted Work furnished by a vendor or supplier, the Contractor shall furnish to the Agency a detailed estimate or quotation of the cost to the Contractor, signed by such vendor or supplier.

(g) Any change in the Work involving both additions and deletions shall indicate a net total cost, including subcontracts and materials. Allowance for overhead and profit, as specified herein, shall be applied if the net total cost is an extra; overhead and profit allowances shall not be applied if the net total cost is a credit. The estimated cost of deductions shall be based on labor and material prices on the date the Contract was executed.

(h) Contractor shall not reserve a right to assert impact costs, extended job site costs, extended overhead, constructive acceleration and/or actual acceleration beyond what is stated in the change order for Work. No claims shall be allowed for impact, extended overhead costs, constructive acceleration and/or actual acceleration due to a multiplicity of changes and/or clarifications. The Contractor may not change or modify the Agency's change order form in an attempt to reserve additional rights.

f. Agreement as to Change in Contract Price/ Time. If the Agency disagrees with the proposal submitted by Contractor, it will notify the Contractor and the Agency will provide its opinion of the appropriate price and/or time extension. If the Contractor agrees with the Agency, a Change Order will be issued by the Agency. If no agreement can be reached, the Agency shall have the right to issue a unilateral change order setting forth its determination of the reasonable additions or savings in costs and time attributable to the extra or deleted work. Such determination shall become final and binding if the Contractor fails to submit a claim in writing to the Agency within fifteen (15) Days of the issuance of the unilateral change order, disputing the terms of the unilateral change order.

g. No dispute, disagreement or failure of the parties to reach agreement on the terms of the change order shall relieve the Contractor from the obligation to proceed with performance of the Work, including extra work, promptly and expeditiously.

h. Any alterations, extensions of time, extra work or any other changes may be made without securing consent of the Contractor's surety or sureties

ARTICLE 53. OCCUPANCY

The Agency reserves the right to occupy or utilize any portion of The Work at any time before completion, and such occupancy or use shall not constitute Acceptance of any part of Work covered by this Contract. This use shall not relieve the Contractor of its responsibilities under the Contract.

ARTICLE 54. INDEMNIFICATION

To the fullest extent allowed by law, Contractor shall defend (with counsel of AGENCY's choosing), indemnify and hold the the Agency, the Owner, its elected officials, officers, employees, agents and authorized volunteers free and harmless from any and all claims, demands, causes of action, costs, expenses, liabilities, losses, damages or injuries, at law or in equity, regardless of whether the allegations are false, fraudulent, or groundless, to property or persons, including wrongful death, to the extent arising out of or incident to any acts, omissions or willful misconduct of Contractor, its officials, officers, employees, agents, consultants and contractors arising out of or in connection with the performance of the Work or this Contract, including claims made by subcontractors for nonpayment, including without limitation the payment of all consequential damages and attorneys' fees and other related costs and expenses. Contractor shall defend, at Contractor's own cost, expense and risk, with counsel of Agency's choosing, any and all such aforesaid suits, actions or other legal proceedings of every kind that may be brought or instituted against Agency, its elected officials, officers, employees, agents and authorized volunteers. To the extent of its liability, Contractor shall pay and satisfy any judgment, award or decree that may be rendered against Agency, its elected officials, officers, employees, agents and authorized volunteers in any such suit, action or other legal proceeding. Contractor shall reimburse Agency, its elected officials, officers, employees, agents and authorized volunteers for any and all legal expenses and costs incurred by each of them in connection therewith or in enforcing the indemnity herein provided. The only limitations on this provision shall be those imposed by Civil Code Section 2782.

ARTICLE 55. RECORD ("AS BUILT") DRAWINGS

a. Contractor shall prepare and maintain a complete set of record drawings (herein referred to as "as-builts") and shall require each trade to prepare its own as-builts. The as-builts

must show the entire site for each major trade, including but not limited to water, sewer, electrical, data, telephone, cable, fire alarm, gas and plumbing. Contractor shall mark the as-builts to show the actual installation where the installation varies from the Work as originally shown. Contractor shall mark whichever drawings are most capable of showing conditions fully and where shop drawings are used, Contractor must record a cross-reference at the corresponding location on the contract drawings. Contractor shall give particular attention to concealed elements that would be difficult to measure and record at a later date. Contractor shall use colors to distinguish variations in separate categories of The Work.

b. Contractor shall note related change order numbers where applicable. Contractor shall organize as-builts into manageable sets, bound with durable paper cover sheets and shall print suitable title, dates and other identification on the cover of each set. Prior to filing of the Notice of Completion, complete as-builts for the Projects shall be turned over to the Agency's Representative. Contractor shall also provide an electronic version of the as-builts. The suitability of the as-builts will be determined by the Agency Representative. Final as-builts shall be signed-off by the Agency Engineer upon determination of suitability.

ARTICLE 56. RESOLUTION OF CONSTRUCTION CLAIMS

a. Contractor shall timely comply with all notices and requests for changes to the Contract Time or Contract Price, including but not limited to all requirements of Article 52, Changes and Extra Work, as a prerequisite to filing any claim governed by this Article. The failure to timely submit a notice of delay or notice of change, or to timely request a change to the Contract Price or Contract Time, or to timely provide any other notice or request required herein shall constitute a waiver of the right to further pursue the claim under the Contract or at law.

b. **Intent.** Effective January 1, 1991, Section 20104 et seq., of the California Public Contract Code prescribes a process utilizing informal conferences, non-binding judicial supervised mediation, and judicial arbitration to resolve disputes on construction claims of $375,000 or less. Effective January 1, 2017, Section 9204 of the Public Contract Code prescribes a process for negotiation and mediation to resolve disputes on construction claims. The intent of this Article is to implement Sections 20104 et seq. and Section 9204 of the California Public Contract Code. This Article shall be construed to be consistent with said statutes.

c. **Claims.** For purposes of this Article, "Claim" means a separate demand by the Contractor, after a change order duly requested in accordance with Article 52 "Changes and Extra Work" has been denied by the Agency, for (A) a time extension, (B) payment of money or damages arising from Work done by or on behalf of the Contractor pursuant to the Contract, or (C) an amount the payment of which is disputed by the Agency. Claims governed by this Article may not be filed unless and until the Contractor completes all procedures for giving notice of delay or change and for the requesting of a time extension or change order, including but not necessarily limited to the procedures contained in Article 52, Changes and Extra Work, and Contractor's request for a change has been denied in whole or in part. Claims governed by this Article must be filed no later than the date of final payment. The claim shall be submitted in writing to the Agency and shall include on its first page the following in 16 point capital font: "THIS IS A CLAIM." Furthermore, the claim shall include the documents necessary to substantiate the claim. Nothing herein is intended to extend the time limit or supersede notice requirements otherwise provided by

contract for the filing of claims, including all requirements pertaining to compensation or payment for extra Work, disputed Work, and/or changed conditions. Failure to follow such contractual requirements shall bar any claims or subsequent lawsuits for compensation or payment thereon.

d. **Supporting Documentation.** The Contractor shall submit all claims in the following format:

1) Summary of claim merit and price, reference Contract Document provisions pursuant to which the claim is made.

2) List of documents relating to claim

(a) Specifications

(b) Drawings

(c) Clarifications (Requests for Information)

(d) Schedules

(e) Other

3) Chronology of events and correspondence

4) Analysis of claim merit

5) Analysis of claim cost

6) Analysis of time impact analysis in CPM format

e. **Agency Response to Claim.** Upon receipt of a claim pursuant to this Article, Agency shall conduct a reasonable review of the claim and, within a period not to exceed 45 Days, shall provide the Contractor a written statement identifying what portion of the claim is disputed and what portion is undisputed. Any payment due on an undisputed portion of the claim will be processed and made within 60 Days after the Agency issues its written statement.

a. If the Agency needs approval from its governing body to provide the Contractor a written statement identifying the disputed portion and the undisputed portion of the claim, and the Agency's governing body does not meet within the 45 Days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the Agency shall have up to three Days following the next duly publicly noticed meeting of the Agency's governing body after the 45-Day period, or extension, expires to provide the Contractor a written statement identifying the disputed portion and the undisputed portion.

b. Within 30 Days of receipt of a claim, the Agency may request in writing additional documentation supporting the claim or relating to defenses or claims the Agency may have against the Contractor. If additional information is thereafter required, it

shall be requested and provided pursuant to this subdivision, upon mutual agreement of Agency and the Contractor. The Agency's written response to the claim, as further documented, shall be submitted to the Contractor within 30 Days (if the claim is less than $15,000, within 15 Days) after receipt of the further documentation, or within a period of time no greater than that taken by the Contractor in producing the additional information or requested documentation, whichever is greater..

f. **Meet and Confer.** If the Contractor disputes the Agency's written response, or the Agency fails to respond within the time prescribed, the Contractor may so notify the Agency, in writing, either within 15 Days of receipt of the Agency's response or within 15 Days of the Agency's failure to respond within the time prescribed, respectively, and demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand, the Agency shall schedule a meet and confer conference within 30 Days for settlement of the dispute.

g. **Mediation.** Within 10 business Days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the Agency shall provide the Contractor a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 Days after the Agency issues its written statement. Any disputed portion of the claim, as identified by the Contractor in writing, shall be submitted to nonbinding mediation, with the Agency and the Contractor sharing the associated costs equally. The Agency and Contractor shall mutually agree to a mediator within 10 business Days after the disputed portion of the claim has been identified in writing, unless the parties agree to select a mediator at a later time.

   a. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator.

   b. For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

   c. Unless otherwise agreed to by the Agency and the Contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Public Contract Code Section 20104.4 to mediate after litigation has been commenced.

   d. The mediation shall be held no earlier than the date the Contractor completes the Work or the date that the Contractor last performs Work, whichever is earlier. All unresolved claims shall be considered jointly in a single mediation, unless a new unrelated claim arises after mediation is completed..

h. **Procedures After Mediation.** If following the mediation, the claim or any portion remains in dispute, the Contractor must file a claim pursuant to Chapter 1 (commencing with

Section 900) and Chapter 2 (commencing with Section 910) of Part 3 of Division 3.6 of Title 1 of the Government Code prior to initiating litigation. For purposes of those provisions, the running of the period of time within which a claim must be filed shall be tolled from the time the Contractor submits his or her written claim pursuant to subdivision (a) until the time the claim is denied, including any period of time utilized by the meet and confer conference.

i. **Civil Actions.** The following procedures are established for all civil actions filed to resolve claims of $375,000 or less:

   a. Within 60 Days, but no earlier than 30 Days, following the filing or responsive pleadings, the court shall submit the matter to non-binding mediation unless waived by mutual stipulation of both parties or unless mediation was held prior to commencement of the action in accordance with Public Contract Code section 9204 and the terms of this Contract. The mediation process shall provide for the selection within 15 Days by both parties of a disinterested third person as mediator, shall be commenced within 30 Days of the submittal, and shall be concluded within 15 Days from the commencement of the mediation unless a time requirement is extended upon a good cause showing to the court.

   b. If the matter remains in dispute, the case shall be submitted to judicial arbitration pursuant to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, notwithstanding Section 1114.11 of that code. The Civil Discovery Act of 1986 (Article 3 (commencing with Section 2016) of Chapter 3 of Title 3 of Part 4 of the Code of Civil Procedure) shall apply to any proceeding brought under this subdivision consistent with the rules pertaining to judicial arbitration. In addition to Chapter 2.5 (commencing with Section 1141.10) of Title 3 of Part 3 of the Code of Civil Procedure, (A) arbitrators shall, when possible, be experienced in construction law, and (B) any party appealing an arbitration award who does not obtain a more favorable judgment shall, in addition to payment of costs and fees under that chapter, also pay the attorney's fees on appeal of the other party..

j. **Government Code Claims.** In addition to any and all contract requirements pertaining to notices of and requests for compensation or payment for extra Work, disputed Work, construction claims and/or changed conditions, the Contractor must comply with the claim procedures set forth in Government Code Sections 900, et seq. prior to filing any lawsuit against the Agency. Such Government Code claims and any subsequent lawsuit based upon the Government Code claims shall be limited to those matters that remain unresolved after all procedures pertaining to extra Work, disputed Work, construction claims, and/or changed conditions have been followed by Contractor. If no such Government Code claim is submitted, or if the prerequisite contractual requirements are not satisfied, no action against the Agency may be filed. A Government Code claim must be filed no earlier than the date the Work is completed or the date the Contractor last performs Work on the Project, whichever occurs first. A Government Code claim shall be inclusive of all unresolved claims unless a new unrelated claim arises after the Government Code claim is submitted.

k. **Non-Waiver.** The Agency's failure to respond to a claim from the Contractor within the time periods described in this Article or to otherwise meet the time requirements of this Article shall result in the claim being deemed rejected in its entirety.

ARTICLE 57. AGENCY'S RIGHT TO TERMINATE CONTRACT

a. **Termination for Cause**: The Agency may, without prejudice to any other right or remedy, serve written notice upon Contractor of its intention to terminate this Contract if the Contractor: (i) refuses or fails to prosecute The Work or any part thereof with such diligence as will ensure its completion within the time required; (ii) fails to complete The Work within the required time; (iii) should file a bankruptcy petition or be adjudged a bankrupt; (iv) should make a general assignment for the benefit of its creditors; (v) should have a receiver appointed; (vi) should persistently or repeatedly refuse or fail to supply enough properly skilled workers or proper materials to complete the work; (vii) should fail to make prompt payment to subcontractors or for material or labor; (viii) persistently disregard laws, ordinances, other requirements or instructions of the Agency; (ix) should violate any of the provisions of the Contract Documents; or (x) otherwise be guilty of a substantial violation of any provision of the Contract.

The notice of intent to terminate shall contain the reasons for such intention to terminate. Unless within ten (10) Days after the service of such notice, such condition shall cease or satisfactory arrangements (acceptable to the Agency) for the required correction are made, this Contract shall be terminated. In such case, Contractor shall not be entitled to receive any further payment until the Project has been finished. In event of any such termination, the Agency shall immediately serve written notice thereof upon surety and Contractor written notice of termination stating that the contract has ceased and is terminated. Surety shall have the right to investigate, take over and perform this Contract, provided, however, that if Surety, within fifteen (15) calendar days after service upon it of said notice of termination, does not give the Agency written notice of its intention to take over and perform this Contract and does not commence performance thereof within twenty (20) calendar days from the date of service upon it of such notice of termination, the Agency may take over and complete The Work by any method it may deem appropriate. Contractor and its surety shall be liable to the Agency for any excess costs or other damages incurred by the Agency to complete the Project. If the Agency takes over The Work, the Agency may, without liability for so doing, take possession of and utilize in completing The Work such materials, appliances, plant, and other property belonging to the Contractor as may be on the Project Site. If the Agency takes over the work as herein above provided, the Agency may, without liability for so doing, take possession of and utilize in completing The Work such materials, appliances, plant, and other property belonging to the Contractor as may be on the Site of The Work and necessary therefor.

If the unpaid balance of the Contract Price exceeds the expense of finishing work, including compensation for additional architectural, managerial, and administrative services, such excess shall be paid to Contractor. If such expense shall exceed such unpaid balance, Contractor shall pay the difference to the Agency. Expense incurred by the Agency as herein provided, and damage incurred through Contractor's default, shall be certified by the Agency Representative.

b. **Termination For Convenience:** The Agency may terminate performance of The Work in whole or, in part, if the Agency determines that a termination is in the Agency's interest.

The Contractor shall terminate all or any part of The Work upon delivery to the Contractor of a Notice of Termination specifying that the termination is for the convenience of the Agency, the extent of termination, and the effective date of such termination.

After receipt of Notice of Termination, and except as directed by the Agency, the Contractor shall, regardless of any delay in determining or adjusting any amounts due under this Termination for Convenience clause, immediately proceed with the following obligations:

1) Stop Work as specified in the Notice.

2) Complete any Work specified in the Notice of Termination in a least cost/shortest time manner while still maintaining the quality called for under the Contract Documents.

3) Leave the property upon which the Contractor was working and upon which the facility (or facilities) forming the basis of the Contract Documents is situated in a safe and sanitary manner such that it does not pose any threat to the public health or safety.

4) Terminate all subcontracts to the extent that they relate to the portions of The Work terminated.

5) Place no further subcontracts or orders, except as necessary to complete the remaining portion of The Work.

6) Submit to the Agency, within ten (10) Days from the effective date of the Notice of Termination, all of the documentation called for by the Contract Documents to substantiate all costs incurred by the Contractor for labor, materials and equipment through the Effective Date of the Notice of Termination. Any documentation substantiating costs incurred by the Contractor solely as a result of the Agency's exercise of its right to terminate this Contract pursuant to this clause, which costs the Contractor is authorized under the Contract Documents to incur, shall: (i) be submitted to and received by the Agency no later than thirty (30) Days after the Effective Date of the Notice of Termination; (ii) describe the costs incurred with particularity; and (iii) be conspicuously identified as "Termination Costs Occasioned by the Agency's Termination for Convenience."

7) These provisions are in addition to and not in limitation of any other rights or remedies available to the Agency.

c. Notwithstanding any other provision of this Article, when immediate action is necessary to protect life and safety or to reduce significant exposure or liability, the Agency may immediately order Contractor to cease Work on the Project until such safety or liability issues are addressed to the satisfaction of the Agency or the Contract is terminated.

d. Should the Agency determine that environmental considerations mandate that the underlying Project should not go forward, Agency may notify Contractor that this Contract is terminated due to environmental considerations and Agency shall only be obligated to pay Contractor for The Work that Contractor had performed at the time of notification of termination of this Contract for environmental considerations.

e. Termination of the Contract shall not relieve Surety of its obligation for any just claims arising out of or relating to The Work performed. In the event that the Agency exercises

its right to terminate this Contract pursuant to this provision, the Agency shall pay the Contractor, upon the Contractor's submission of the documentation required by this clause and other applicable provisions of the Contract Documents, all actual reimbursable costs incurred according to the provisions of this Contract.

f. The foregoing provisions are in addition to and not in limitation of any other rights or remedies available to the Agency.

g. Notwithstanding the foregoing provisions, this Contract may not be terminated or modified where a trustee-in-bankruptcy has assumed the Contract pursuant to 11 U.S.C. section 365 (Federal Bankruptcy Act).

ARTICLE 58. WARRANTY AND GUARANTEE

a. Contractor warrants that all materials and equipment furnished under this Contract shall be new unless otherwise specified in the Contract Documents; and that all Work conforms to the Contract Document requirements and is free of any defect whether performed by the Contractor or any subcontractor or supplier.

b. Unless otherwise stated, all warranty periods shall begin upon the filing of the Notice of Completion. Unless otherwise stated, the warranty period shall be for one year.

c. The Contractor shall remedy at its expense any damage to Agency or Owner-owned or controlled real or personal property.

d. Contractor shall furnish the Agency with all warranty and guarantee documents prior to final Acceptance of the Project by the Agency.

e. The Agency shall notify the Contractor, in writing, within a reasonable time after the discovery of any failure, defect, or damage. The Contractor shall within ten (10) Days after being notified commence and perform with due diligence the repair or replacement of any or all such Work, together with any other Work, which may be displaced in so doing, that may prove defective in workmanship and/or materials without expense whatsoever to the Agency, ordinary wear and tear, unusual abuse or neglect excepted. If the Contractor fails to promptly remedy any defect, or damage; the Agency shall have the right to replace, repair, or otherwise remedy the defect, or damage at the Contractor’s expense. Contractor hereby agrees to pay costs and charges therefore immediately on demand.

f. Contractor shall repair or replace any or all such Work, together with any other Work, which may be displaced in so doing, that may prove defective in workmanship and/or materials within a two-year period from date of acceptance without expense whatsoever to the Agency, ordinary wear and tear, unusual abuse or neglect excepted. The Agency will give notice of observed defects with reasonable promptness. Contractor shall notify the Agency upon completion of repairs. In the event of failure of Contractor to comply with above-mentioned conditions within one week after being notified in writing, the Agency is hereby authorized to proceed to have defects repaired and made good at the expense of Contractor. Contractor hereby agrees to pay costs and charges therefor immediately on demand.

g. In the event of any emergency constituting an immediate hazard to health, safety, property, or licensees, when caused by Work of the Contractor not in accordance with the Contract requirements, the Agency may undertake at Contractor's expense, and without prior notice, all Work necessary to correct such condition.

h. With respect to all warranties, express or implied, from subcontractors, manufacturers, or suppliers for Work performed and Materials furnished under this Contract, the Contractor shall:

1) Obtain for Agency all warranties that would be given in normal commercial practice;

2) Require all warranties to be executed, in writing, for the benefit of the Agency and Owner; and

3) Enforce all warranties for the benefit of the Agency and Owner, unless otherwise directed in writing by the Agency.

This Article does not in any way limit the guarantee on any items for which a longer guarantee is specified or on any items for which a manufacturer gives a guarantee for a longer period.

This Article shall not limit the Agency's or Owner's rights under this Contract or with respect to latent defects, gross mistakes, or fraud. The Agency and Owner specifically reserves all rights related to defective work, including but not limited to the defect claims pursuant to California Code of Civil Procedure Section 337.15.

ARTICLE 59. DOCUMENT RETENTION & EXAMINATION

a. In accordance with Government Code Section 8546.7, records of both the Agency and the Contractor shall be subject to examination and audit by the State Auditor General for a period of three (3) years after final payment.

b. Contractor shall make available to the Agency any of the Contractor's other documents related to the Project immediately upon request of the Agency.

c. In addition to the State Auditor rights above, the Agency shall have the right to examine and audit all books, estimates, records, contracts, documents, bid documents, subcontracts, and other data of the Contractor (including computations and projections) related to negotiating, pricing, or performing the modification in order to evaluate the accuracy and completeness of the cost or pricing data at no additional cost to the Agency, for a period of four (4) years after final payment.

ARTICLE 60. SOILS INVESTIGATIONS

When a soils investigation report for the Project Site is available, such report shall not be a part of the Contract Documents. Any information obtained from such report as to subsurface soil condition, or to elevations of existing grades or elevations of underlying rock, is approximate only and is not guaranteed. Contractor acknowledges that any soils investigation report (including any borings) was prepared for purposes of <u>design only</u> and Contractor is required to examine the Site before submitting its bid and must make whatever tests it deems appropriate to determine the underground condition of the soil.

ARTICLE 61. REQUIRED CERTIFICATIONS

Contractor shall, for all contracts involving state funds, submit a "Drug-Free Workplace Certification" and a "Recycled Content Certification." These forms are included in the Contract Documents and must be signed under the penalty of perjury and dated prior to commencing work on this Project.

In addition to the above listed certifications, Contractor shall, for all contracts involving state funds, execute and submit an "Asbestos-Free Materials Certification." Contractor, further, is aware of the following:

a. Should asbestos containing materials be installed by the Contractor in violation of this certification, or if removal of asbestos containing materials is part of the Project, decontaminations and removals will be performed in accordance with the requirements of all applicable laws and will meet the following criteria:

    1. Decontamination and removal of work found to contain asbestos or work installed with asbestos containing equipment shall be done only under the supervision of a qualified consultant, knowledgeable in the field of asbestos abatement and accredited by the Environmental Protection Agency (EPA).

    2. The asbestos removal contractor shall be an EPA accredited contractor qualified in the removal of asbestos and shall be chosen and approved by the asbestos consultant who shall have sole discretion and final determination in this matter.

    3. The asbestos consultant shall be chosen and approved by the Agency which shall have sole discretion and final determination in this matter.

    4. The Work will not be accepted until asbestos contamination is reduced to levels deemed acceptable by the asbestos consultant.

b. If removal of asbestos containing materials is part of the Project, the cost of all asbestos removal, including, but not necessarily limited to the cost of the asbestos removal contractor, the cost of the asbestos consultant, analytical and laboratory fees, time delays and additional costs that may be incurred by the Agency shall be borne entirely by the Contractor.

c. Hold Harmless: Interface of Work for the Project with work containing asbestos shall be executed by the Contractor at his/her risk and at his/her discretion with full knowledge of the currently accepted standards, hazards, risks and liabilities associated with asbestos work and asbestos containing products. By execution of the Contract, the Contractor acknowledges the above and agrees to the fullest extent permitted by law to hold harmless the the Agency, the Owner, its Governing Board, employees, agents, representatives, including its Architect and assigns, for all asbestos liability which may be associated with this work. The Contractor further agrees to instruct his/her employees with respect to the above-mentioned standards, hazards, risk and liabilities.

ARTICLE 62. SEPARATE CONTRACTS

a. The Agency reserves the right to let other contracts in connection with this Work or on the Project Site. Contractor shall permit other contractors reasonable access and storage of

their materials and execution of their work and shall properly connect and coordinate its Work with theirs.

b. If any part of The Work depends for proper execution or results upon work of any other contractor, the Contractor shall inspect and promptly report to the Agency's Representative any defects in such work that renders it unsuitable for such proper execution and results. Contractor's failure to so inspect and report shall constitute its acceptance of the other contractor's work as fit and proper for reception of Contractor's Work, except as to defects which may develop in the other contractor's work after execution of Contractor's Work.

c. To ensure proper execution of its subsequent Work, Contractor shall immediately inspect work already in place and shall at once report to the Agency Representative any problems with the work in place or discrepancies with the Contract Documents.

d. Contractor shall ascertain to its own satisfaction the scope of the Project and nature of any other contracts that have been or may be awarded by the Agency in prosecution of the Project to the end that Contractor may perform this Contract in the light of such other contracts, if any. Nothing herein contained shall be interpreted as granting to Contractor exclusive occupancy at Site of the Project. Contractor shall not cause any unnecessary hindrance or delay to any other contractor working on the Project. If simultaneous execution of any contract for the Project is likely to cause interference with performance of some other contract or contracts, the Agency Representative shall decide which Contractor shall cease Work temporarily and which contractor shall continue or whether work can be coordinated so that contractors may proceed simultaneously. The Agency shall not be responsible for any damages suffered or for extra costs incurred by Contractor resulting directly or indirectly from award, performance, or attempted performance of any other contract or contracts on the Project Site.

ARTICLE 63. NOTICE AND SERVICE THEREOF

All notices shall be in writing and shall be dated and signed by party giving such notice or by the duly authorized representative of such party, and shall be either served by personal delivery or mailed to the other party as designated in the Bid Forms. Written notice to the Contractor shall be addressed to Contractor's principal place of business unless Contractor designates another address in writing for service of notice. Notice to Agency shall be addressed to the Agency as designated in the Notice Inviting Bids unless Agency designates another address in writing for service of notice. Notice shall be effective upon receipt or five (5) Days after being sent by first class mail, whichever is earlier. Notice given by facsimile shall not be effective unless acknowledged in writing by the receiving party.

ARTICLE 64. NOTICE OF THIRD PARTY CLAIMS

Pursuant to Public Contract Code Section 9201, the Agency shall provide Contractor with timely notification of the receipt of any third-party claim relating to the Contract.

ARTICLE 65. STATE LICENSE BOARD NOTICE.

Contractors are required by law to be licensed and regulated by the Contractors' State License Board which has jurisdiction to investigate complaints against contractors if a complaint regarding a patent act or omission is filed within four (4) years of the date of the alleged violation. A

complaint regarding a latent act or omission pertaining to structural defects must be filed within ten (10) years of the date of the alleged violation. Any questions concerning a contractor may be referred to the Registrar, Contractors' State License Board, P.O. Box 26000, Sacramento, California 95826.

ARTICLE 66. INTEGRATION

a. Oral Modifications Ineffective. No oral order, objection, direction, claim or notice by any party or person shall affect or modify any of the terms or obligations contained in the Contract Documents.

b. Contract Documents Represent Entire Contract. The Contract Documents represent the entire agreement of the Agency and Contractor.

ARTICLE 67. ASSIGNMENT

Contractor shall not assign, transfer, convey, sublet, or otherwise dispose of this Contract or any part thereof including any claims, without prior written consent of the Agency. Any assignment without the written consent of the Agency shall be void. Any assignment of money due or to become due under this Contract shall be subject to a prior lien for services rendered or Material supplied for performance of Work called for under the Contract Documents in favor of all persons, firms, or corporations rendering such services or supplying such Materials to the extent that claims are filed pursuant to the Civil Code, the Code of Civil Procedure or the Government Code.

ARTICLE 68. CHANGE IN NAME AND NATURE OF CONTRACTOR'S LEGAL ENTITY

Should a change be contemplated in the name or nature of the Contractor's legal entity, the Contractor shall first notify the Agency in order that proper steps may be taken to have the change reflected on the Contract.

ARTICLE 69. ASSIGNMENT OF ANTITRUST ACTIONS

Pursuant to Section 7103.5 of the Public Contract Code, in entering into a public works contract or subcontract to supply goods, services, or materials pursuant to a public works contract, Contractor or subcontractor offers and agrees to assign to the Agency or Owner all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Section 15) or under the Cartwright Act (chapter 2 (commencing with Section 16700) of part 2 of division 7 of the Business and Professions Code), arising from the purchase of goods, services, or materials pursuant to this Contract or any subcontract. This assignment shall be made and become effective at the time the Agency makes final payment to the Contractor, without further acknowledgment by the parties.

ARTICLE 70. PROHIBITED INTERESTS

No Agency official or representative who is authorized in such capacity and on behalf of the Agency to negotiate, supervise, make, accept, or approve, or to take part in negotiating, supervising, making, accepting or approving any engineering, inspection, construction or material supply contract or any subcontract in connection with construction of the project, shall be or become directly or indirectly interested financially in the Contract.

ARTICLE 71. LAWS AND REGULATIONS

a. Contractor shall give all notices and comply with all laws, ordinances, rules and regulations bearing on conduct of work as indicated and specified. If Contractor observes that drawings and specifications are at variance therewith, he shall promptly notify the Agency Representative in writing and any necessary changes shall be adjusted as provided for in this Contract for changes in work. If Contractor performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Agency Representative, he shall bear all costs arising therefrom.

b. Contractor shall be responsible for familiarity with the Americans with Disabilities Act ("ADA") (42 U.S.C. § 12101 et seq.). The Work, including any installations of equipment and other devices, will be performed in compliance with ADA regulations.

ARTICLE 72. PATENT FEES OR ROYALTIES.

The Contractor shall include in its bid amount the patent fees or royalties on any patented article or process furnished or used in the Work. Contractor shall assume all liability and responsibility arising from the use of any patented, or allegedly patented, materials, equipment, devices or processes used in or incorporated with The Work, and shall defend, indemnify and hold harmless the the Agency, the Owner, its officials, officers, agents, employees and representatives from and against any and all liabilities, demands, claims, damages, losses, costs and expenses, of whatsoever kind or nature, arising from such use.

ARTICLE 73. OWNERSHIP OF DRAWINGS

All Contract Documents furnished by the Agency are Agency property. They are not to be used by Contractor or any subcontractor on other work nor shall Contractor claim any right to such documents. With exception of one complete set of Contract Documents, all documents shall be returned to the Agency on request at completion of the Work.

ARTICLE 74. NOTICE OF TAXABLE POSSESSORY INTEREST

In accordance with Revenue and Taxation Code Section 107.6, the Contract Documents may create a possessory interest subject to personal property taxation for which Contractor will be responsible.

ARTICLE 75. AGENCY'S INSPECTOR

a. One or more inspectors employed by Agency in accordance with requirements of title 19, 21 and/or 24 of the California Code of Regulations will be assigned to the work. His duties are specifically defined in the California Code of Regulations.

b. Inspector shall have access to all plant operations involving work under this contract and shall be provided reasonable advance notice of the time and place of operations which the inspector desires to observe. Inspector shall be provided with all necessary samples of materials and work for testing purposes. All work shall be under the observation of said inspector. He shall have free access to any or all parts of work at any time. Contractor shall furnish inspector reasonable facilities for obtaining such information as may be necessary to keep him fully informed respecting progress and manner of work and character of materials. Inspection of work shall not relieve contractor from any obligation to fulfill this contract. Inspector, after consultation with the Construction Manager and Architect, together, shall have authority to stop work whenever the provisions of the contract documents are not being complied with and contractor shall instruct his employees accordingly.

ARTICLE 76. INSPECTOR'S FIELD OFFICE

a. The Contractor shall be responsible for providing the inspector's field office. The office shall be of substantial waterproof construction with adequate natural light and ventilation by means of stock design windows. Door shall have a key-type lock or padlock hasp. The inspector's field office shall have heating and air-conditioning and shall be equipped with a telephone, a telephone answering machine, and a fax machine at contractor's expense.

b. A table satisfactory for the study of plans and two chairs shall be provided by contractor. Contractor shall provide and pay for adequate electric lights, local telephone service, and adequate heat and air conditioning for the field office until authorized removal.

c. The provisions of this section are intended to be complementary to any requirements provided elsewhere in these Contract Documents, however in the event of conflicts between this section and other provisions of these Contract Documents, this section shall prevail.

ARTICLE 77. MISCELLANEOUS

These Contract Documents shall be interpreted in accordance with the laws of the State of California. If any action is brought to interpret or enforce any term of these Contract Documents, the action shall be brought in a state or federal court situated in the County of San Diego, State of California.

ARTICLE 78. NO WAIVER

No provision of these Contract Documents shall be deemed waived by either party unless such waiver shall be expressly specified in writing, regardless of the actions or inaction of the parties.

END OF GENERAL CONDITIONS

SPECIAL CONDITIONS

1. **Description of Project**.
   The project includes the electrical and low voltage (FA, Internet, PA etc.) connections to a new owner provided and placed 48'x40' portable building. Aphalt ramp to new building including guardrails. ADA upgrades to existing portable restroom building See DSA approved #04-123455 project plans and specifications for detailed information.

2. **Temporary Fencing**
   Temporary fencing is not required during the project duration. Any work that has the potential to impact students and staff safety, such as trenching, shall be protected with fencing or covering of trench locations until backfilled. All temporary fencing shall be a minimum of 6 feet tall with a minimum of 2" metal mesh. Caution tape, snow fencing or any other fabric fencing is not acceptable.

3. **Temporary Utilities**

   Temporary Power: Provided by District.

   Temporary Water: Provided by District.

   Portable Restrooms and Handwash Stations: Provided and paid for by Contractor for Contractors use only.

4. **Time of Performance**. The work shall be commenced on the date stated in the Authority's notice to the Contractor to proceed (which date will be not less than five (*5*) consecutive calendar days from and after the date of execution of the contract and shall be completed within One Hundred Seven (*107*) consecutive calendar days from and after the date stated in such notice, and in accordance with the scheduled dates as specified below. Authority and Contractor each hereby stipulate that the stated performance period is accepted as reasonable and that no other performance period shall be acceptable unless accepted in writing (See Article 2 of Agreement and Article entitled "Time for Completion" of these General Conditions.)
   Work under this contract shall be scheduled and coordinated in compliance with the following:

   1. The anticipated date of the award of the contract is **September 9, 2025.**

   2. Contractor shall complete all work and obtain all jurisdictional authorities' approval of work under this contract necessary to permit occupancy of all buildings by students and staff for classroom and school operations no later than **June 30, 2026.**

   3. If the site will not be available after the Notice to Proceed date, Contractor shall utilize this time period for administrative tasks and initial mobilization and shall coordinate such activities with Agency.

B. **Liquidated Damages**. If work under this contract is not ready for the intended use within the specified time period, the agreed liquidated damages established in Article entitled "Time for Completion and Liquidated Damages" of the General Conditions is **five hundred dollars $500.00)** per day for each calendar date completion is delayed.

C. **Documents Furnished**. The number of copies of drawings and specifications to be furnished to Contractor free of charge, per Article entitled "Copies Furnished" of the General Conditions, is) **one (1).**

D. **Bonds**. Contractor shall provide (i) a bid bond in the amount of ten (10%) of the contract price; (ii) a payment bond in the total amount of bid or as specified in the Information to Bidders; and (iii) a performance bond in the amount of one hundred percent (100%) of the contract price or as specified in the Information for Bidders.

E. **Insurance**. As provided in General Conditions, Contractor shall procure and maintain and shall require all subcontractors, if any, whether primary or secondary, to procure and maintain either:

Commercial General Liability and Property Damage Insurance

Coverage shall be at least as broad as Insurance Services Office Commercial General Liability coverage (occurrence form CG 0001), Insurance Services Office form number CA 0001 (ed. 1/87) covering Automotive Liability, code 1 (any auto), with a combined single limit per occurrence limits of not less than:

(a) Per occurrence (combined single limit) $1,000,000.00

(b) Project Specific Aggregate (for this project only). $1,000,000.00

(c) Products/Completed Operations $1,000,000.00

(d) Personal & Advertising Injury limit $1,000,000.00

AND

Builder's Risk (or Course of Construction Coverage) Applicable Fire Insurance

(See Article entitled "Builder's Risk "All Risk"") Project Replacement Value at 100%, (One Hundred Percent)

Insurance Covering Special Hazards: Following special hazards shall be covered by riders or riders to above-mentioned commercial liability insurance or property damage insurance policy or policies of insurance, or by special policies of insurance, in amounts as follows:

Automotive and truck where operated in amounts …… $1,000,000.00

Material hoist where used in amounts …… $1,000,000.00

Explosion, collapse & Underground (XCU) coverage …… $_____N/A_____.

Excess Liability Insurance coverage in the amount of …….$_____N/A_____

Additional Insured Endorsement: Any general liability policy provided by Contractor hereunder shall contain an endorsement which applies its coverage to Owner (who is the VALLECITOS SCHOOL DISTRICT), the AGENCY, members of Agency Agency's Owner's board of trustees, and the officers, agents, employees and volunteers of Owner and Agency, the State Allocation Board, if applicable, the architect, and the architect's consultants, individually and collectively, as additional insureds.

F. **Executed Copies:** The number of executed copies of the Agreement, the Performance Bond, and the Payment Bond for Public Works required is **(ONE) 1** .

G. **License Classification:** Each bidder shall be a licensed Contractor pursuant to the Business and Professions Code and shall be licensed in the following classification: **"A" or "B".**

H. **Fingerprinting:**

Pursuant to the provisions of **Article entitled "Fingerprinting" of the General Conditions:**

Agency **Determination of Fingerprinting Requirement Application is as follows:**

The Agency has considered the totality of the circumstances concerning the Project and has determined that the Contractor and Contractor's employees,

a. ____XX_____ are subject to the requirements of Education Code section 45125.2 and Paragraph (a) of Article entitled "Fingerprinting" of the General Conditions.

b._____ are not subject to the requirements of Education Code section 45125.2 and are subject to Paragraph (b) of Article entitled "Fingerprinting" of the General Conditions.

A. **Substitutions.** All requests for Substitutions, submitted in accordance with the General Conditions and these Special Conditions of the Contract Documents shall be submitted using the "Request for Substitution" form included herein as a part of these Special Conditions, including the affidavit certifying that the proposed substitution is:

1. In full compliance with requirements of the Contract Documents and applicable code requirements;

2. Meets or exceeds the standard of quality of the item specified;

3. The same warranty will be provided as for the specified item; and

4. The Contractor waives all claims for additional costs or time that may result from

use of an approved substitution.

The form shall be accompanied by complete technical data including drawings, performance specifications, samples, and test reports, and any other information as may be requested by the Agency Representative.

Substitution requests must be submitted using the "Request for Substitution" form no less than (10) calendar days prior to the date of bid opening. No Substitution will be allowed after bid opening unless approved by the Agency after Notice of Award.

The decision of the Agency Representative regarding any proposed substitution will be in writing, and the Agency Representative's decision shall be final. Should a proposed substitution be accepted, such acceptance shall not relieve the Contractor from complying with requirements of the Drawings and Specifications.

B. **Allowances.** Include the following allowance amounts in this bid. All Contract Allowances and Owner Controlled Contingency, if any, shall at all times remain the sole property of the Owner, and any allowances and contingencies shall be credited back to the Owner via a unilaterial Change Order by the Owner. If additional work is requested by the Owner or their representative, the price for such work will be negotiated in accordance with the General Conditions. It is the Owner's sole discretion to use an Allowance or require processing of a Change Order. Allowance amounts not used by the Owner will be deducted from the contract amount by Unilateral Change Order. All expenditures of Contract Allowances and uses of Owner Contingency shall be authorized in writing by the Owner before Contractor commences such work. Any work undertaken by Contractor without such express written permission of the DISTRICT shall be at the Contractor's risk and may not result in compensation. Contractor shall also be responsible for accurately tracking and accounting for all expenditures of these allowances or contingencies.

C. The following allowances remain the property of the Agency will be used only at the discretion of the District. Include allowance amount in base bid.

$10,000.00

D. Findings Regarding Specific Materials, Products, Things or Services for the Project. The District, nor the Agency, has not made findings pursuant to Public Contract Code Section 3400(b) regarding the use of specific materials, products, things and/or services that must be utilized for the Project.

End of Special Conditions

TECHNICAL SPECIFICATIONS

See DSA Approved Specification for A# 04-123455

and

DSA Approved Project Plans for A# 04-123455

ADDENDUM #1

VALLECITOS SCHOOL DISTRICT
PORTABLE BUILDING INSTALLATION PROJECT

July 31, 2025

Addendum documentation:	**1 Page(s)**
8 ½" x 11" Addendum Drawings	**0 Drawing(s)**
30" x 42" Addendum Sheet Drawings	**0 Sheets**
Specification Sections	**0 Drawing**

The following is issued to supplement or revise the Contract Documents. The revisions to the documents are described below. Unless specifically changed by this addendum, the remainder of the drawings, documents and specifications shall remain in effect as originally issued.

GENERAL:

1. **Bid Date/Time Change:** Bid Date and Time has not changed. Bids are due **Wednesday, July 2, 2025 at 1:00 pm.**

2. **Questions and clarifications:**

    1. Question # 1 – Will we be responsible for paving the entire area of the classroom building (2,700 SF) or just the ramp portion? **Response:** Asphalt placement is for the ramp area only.

3. **General Note**: You may acquire the bid documents in any manner desired. It is the SOLE responsibility of the bidder to verify that all addenda have been received and considered, and that all addenda are listed on the bid form at the time of the bid.

End of Addendum # 1

ADDENDUM NUMBER TWO

Vallecitos Elementary School, New Relocatable 40x48 Classroom

San Diego County Office of Education
County of San Diego, California

July 2, 2025
Architect's Project Number: VEVES05

General: All project documents including contract documents, drawings and specifications shall remain unchanged, except for those elements added, revised, deleted, or clarified by this Addendum. In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern. Acknowledge receipt of Addenda Number One and Number Two in the appropriate spot on the Bid Form.

ITEM NO. 1 ELECTRICAL: REVISIONS AND REPLACEMENT DRAWINGS

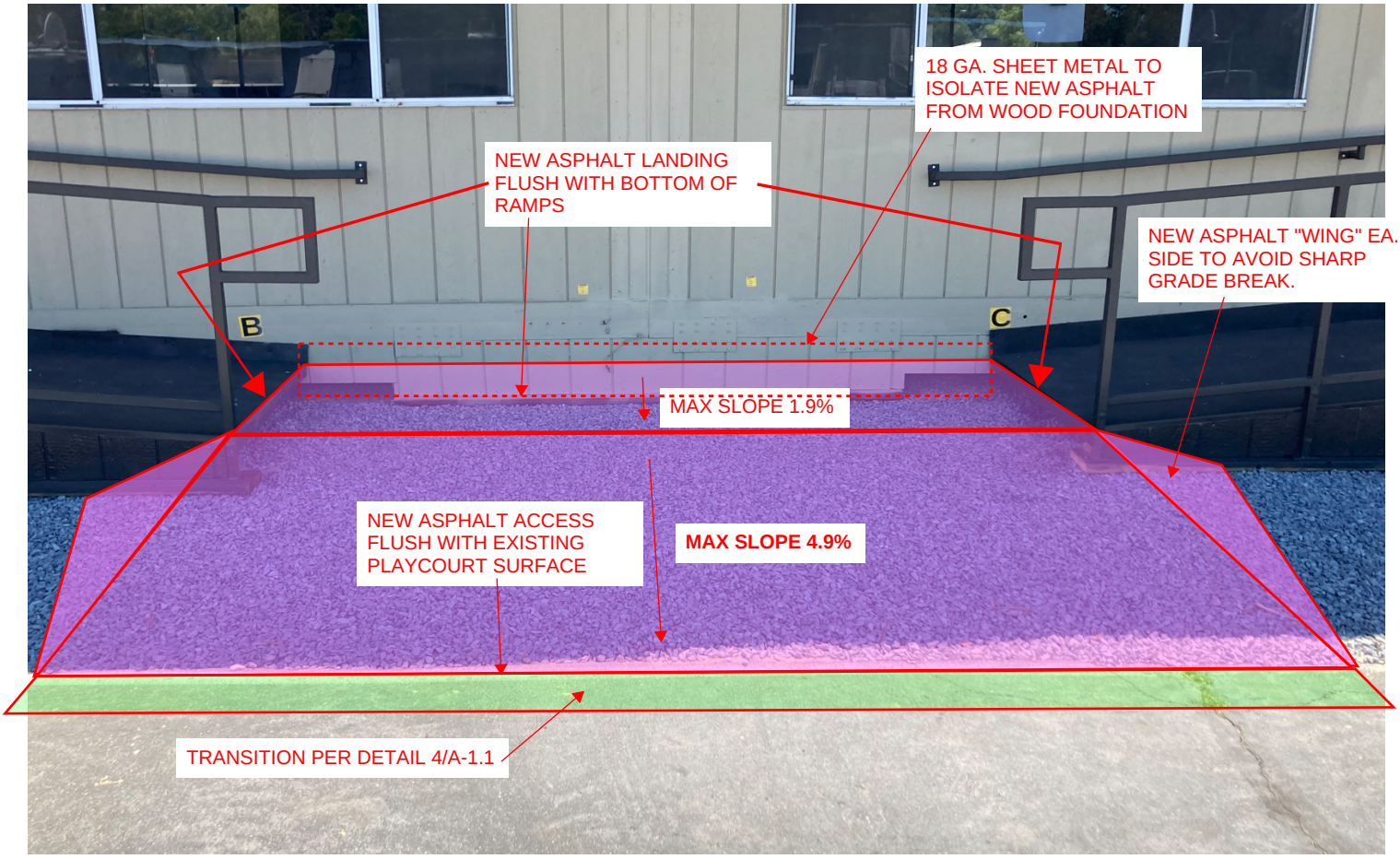
1. It appears that in Addendum No.1, Electrical Drawing Sheet ES-1.2 was inadvertently left off (not included). Please see attached Drawing Sheet ES-1.2, hereby made part of the Drawings and of the Contract for Construction.

ITEM NO. 2 REVISION TO ASPHALT ACCESS AT FRONT OF NEW RELOCATABLE

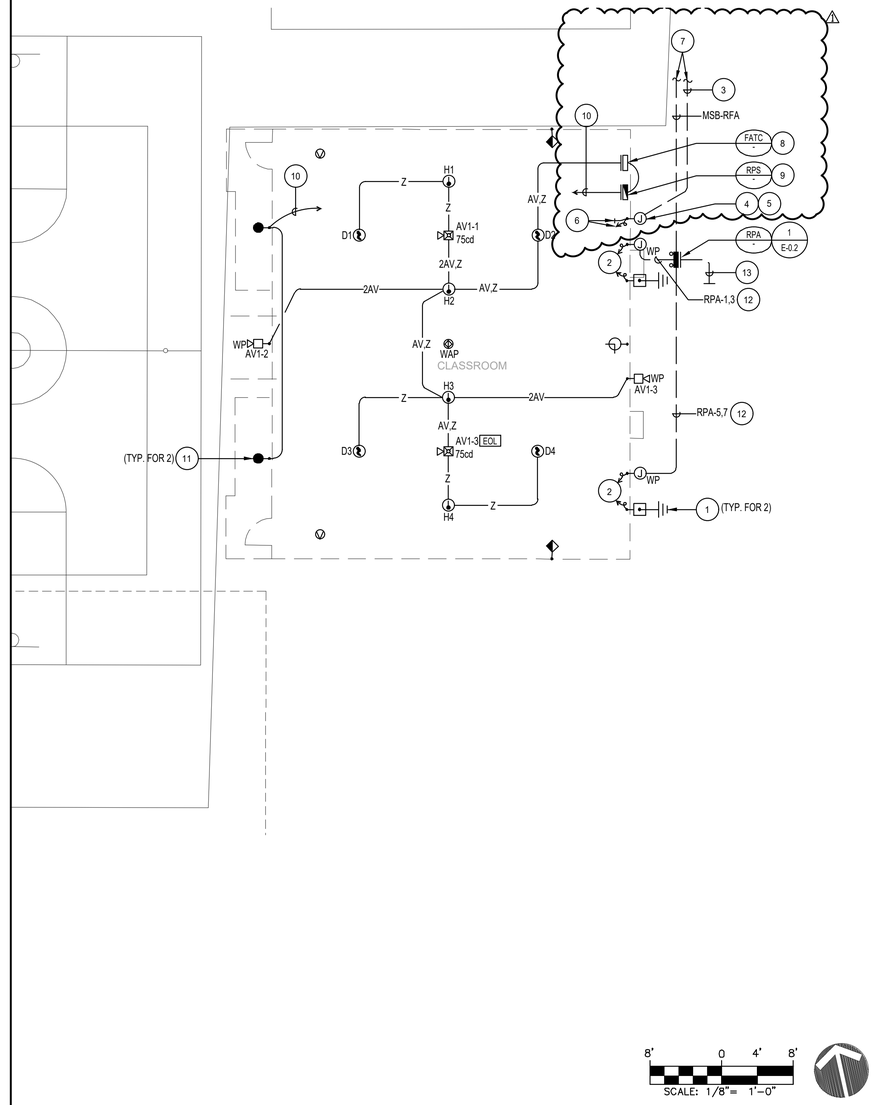
1. Due to found conditions, the building was set at an elevation that does not require a "Ramp" as defined by ADA codes. Provide an asphalt access in accordance with Sheet A-1.1, with the following changes. Please see attached noted photo
    a. The slope on the access MUST be less that 5% - we specify 4.9% to avoid variations in workmanship and materials.
    b. With a slope on the access of less than 5%, no handrails are required and the handrails as installed on the existing ramps to the doors can remain as is. If the slope exceeds 5%, then handrails must be installed per the original drawings. We believe the slope can now be installed at less than 5%. Please verify asap.

END OF ADDENDUM NUMBER TWO
Attachments as follows: as listed in Item No. 1 and 2

Fred Gualda AIA, C20789
Principal
MGPA ARCHITECTURE



Vallecitos 40x48 Relocatable Classroom
Addendum #2
Attachment to Item #2
7/2/2025



PLAN NOTES:

1. PROVIDE BUILDING GROUNDING SYSTEM. SEE DETAIL "4" ON SHEET E0.2 FOR ADDITIONAL INFORMATION.
2. CONNECT INCOMING POWER CONDUIT AND CONDUCTORS TO PANELBOARD PROVIDED WITH PORTABLE BUILDING.
3. PROVIDE THE FOLLOWING SIGNAL SYSTEMS CONDUITS WITH SPECIFIED CONDUCTORS:
   2" C. DATA/VOICE NETWORK
   1" C. FIRE ALARM
   1" C. INTRUSION DETECTION
   1" C. SPARE
4. PROVIDE A 12" X 12" X 6" D. WALL MOUNTED WEATHERPROOF PULLBOX FOR THE DATA/VOICE NETWORK SYSTEM. EXTEND 2" C. FROM PULLBOX AND ROUTE EXPOSED ON EXTERIOR WALL OF PORTABLE BUILDING TO AN ELEVATION ABOVE THE ACCESSIBLE CEILING INSIDE BUILDING. PROVIDE WEATHERPROOF LB FITTING AND PENETRATION THROUGH EXTERIOR WALL AND STUB 2" C. INTO CEILING SPACE. UTILIZE CEILING SPACE FOR ROUTING NEW FIBER OPTIC CABLING EXPOSED AS INDICATED. PROVIDE SEAL FOR WALL PENETRATION.
5. PROVIDE A 12" X 12" X 6" D. WALL MOUNTED WEATHERPROOF PULLBOX FOR THE FIRE ALARM AND INTRUSION DETECTION SYSTEMS. EXTEND TWO (2) 1" C. FROM PULLBOX AND ROUTE EXPOSED ON EXTERIOR WALL OF PORTABLE BUILDING TO AN ELEVATION ABOVE THE ACCESSIBLE CEILING INSIDE BUILDING. PROVIDE WEATHERPROOF LB FITTINGS AND PENETRATIONS THROUGH EXTERIOR WALL AND STUB ONE (1) 1" C. INTO CEILING SPACE. FIRE ALARM SYSTEM CONDUCTORS SHALL BE INSTALLED IN CONDUIT AS INDICATED. UTILIZE CEILING SPACE FOR ROUTING NEW CABLING EXPOSED AS INDICATED. PROVIDE SEALS FOR WALL PENETRATIONS.
6. EXTEND NEW CONDUCTORS FOR DATA/VOICE NETWORK AND INTRUSION DETECTION SYSTEMS EXPOSED THROUGH CEILING SPACE AND TERMINATE AT RESPECTIVE EQUIPMENT, DEVICE AND/OR OUTLET CONNECTORS AS INDICATED. FIRE ALARM SYSTEM CONDUCTORS SHALL BE INSTALLED IN CONDUIT AS INDICATED.
7. SEE SHEET ES-1.1 FOR CONTINUATION.
8. PROVIDE 12" X 12" X 6" D. SURFACE MOUNTED TERMINAL CABINET FOR FIRE ALARM SYSTEM AT +45" AFF.
9. PROVIDE FIRE ALARM SYSTEM NOTICICATION CIRCUIT EXPANDER PANEL AT +45" AFF.
10. PROVIDE 2 # 12, 1 # 12 GRD – 3/4" C. AND EXTEND TO PORTABLE BUILDING PANELBOARD FOR AVAILABLE SPARE 120 VOLT CIRCUIT. PROVIDE NEW 20A/1P CIRCUIT BREAKER WITH REQUIRED MOUNTING HARDWARE IN SPACE OF PANELBOARD TO SERVE NEW EQUIPMENT AS INDICATED. NEW CIRCUIT BREAKER A.I.C. RATING SHALL MEET OR EXCEED RATING OF EXISTING CIRCUIT BREAKERS CURRENTLY USED.
11. PROVIDE LED WALL PACK LIGHT FIXTURE WITH ALUMINUM HOUSING, IMPACT RESISTANT TEMPERED CLASS LENS, PHOTOCELL, HIGHLY EFFICIENT LED DRIVER, AND EMERGENCY BATTERY BACKUP SYSTEM FOR MINIMUM 90 MINUTES OF OPERATION. LITHONIA # TWHLED-20C-40K- T3M-120-PE-ELSW OR APPROVED EQUAL.
12. PROVIDE 3 # 1, 1 # 8 GRD – 1 1/2" C.
13. PROVIDE FOUR (4) 1 1/2" C.O. STUBBED AND CAPPED BELOW GRADE FOR FUTURE USE.

ENLARGED SITE ELECTRICAL PLAN

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

DSA Stamp

Issue Date: DSA

Revisions:
1 ADD #1
2
3

Consultant Stamp:

REGISTERED PROFESSIONAL ENGINEER STEPHEN R. ZATLOKA No. E 10372 Exp. 09-30-24 ELECTRICAL STATE OF CALIFORNIA

Consultant:

FBA Engineering
Consulting Electrical Engineers
130 Paularino Avenue, Suite A100
Costa Mesa, CA 92626
(949) 851-7411 (949) 851-7457 (fax)
fbaeng.com
FBA Job Number 229.177

VSVES06 40x48 RELO CR

VALLECITOS ELEMENTARY
PORTABLE BUILDING
for
VALLECITOS UNIFIED SCHOOL DISTRICT
FALLBROOK CALIFORNIA

Job N°.: VSVES06

REGISTERED ARCHITECT ROBERT HERNANDEZ MGPA ARCHITECTURE Exp. 08-31-25 STATE OF CALIFORNIA

MGPA ARCHITECTURE
An Architectural Corporation
Mailing: 6965 El Camino Real, Suites 105-278
Carlsbad, CA 92009
Tele: (760) 929-1500 Fax: (760) 929-1506

MGPA ARCHITECTURE

Sheet Title: ENLARGED SITE ELECTRICAL PLAN

Sheet Number: ES-1.2

FBA Engineering / Plot Date: 5/21/2025 4:44 PM / Plotted by: Blake Meech / Drawing Location: I:\229\177\ES-1-2_229177.dwg