

BID NO. LCF 25/26-03
SITWORK/SITE UTILITIES FOR MODULAR BUILDINGS INSTALLATION PHASE 2
AT PARADISE CANYON ELEMENTARY SCHOOL

ADDENDUM NO. 2

PROJECT NUMBER: 95150

LA CAÑADA UNIFIED SCHOOL DISTRICT

May 21, 2026

**RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON BID FORM
WHEN SUBMITTED**

ADDENDUM NO. 2

The following changes, additions, deletions or corrections shall become a part of the Contract Documents for the project named above and all other conditions shall remain the same. The bidders shall be responsible for transmitting this information to all affected subcontractors and suppliers prior to the closing of bids. Prospective Bidders shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

Item No. AD-2-1:

Replace the following Specifications Sections with the attached revised sections.

Attachments:

01 11 00 Summary of Work (including Responsibility Matrix)

01 50 00 Temporary Facilities and Controls

01 52 13 Field Offices

01 64 00 Owner-Furnished Products

01 78 39 Record Documents

End of Addendum #2

SUMMARY OF WORK

PART 1 - GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions, including, without limitation, Site Access Conditions and Requirements;
- B. General Requirement in Division 1 Sections of the Specifications
- C. Special Conditions.

1.02 SUMMARY OF WORK COVERED BY CONTRACT DOCUMENTS

- A. The Work of this Contract consists of the following:

Sitework and utilities for the construction of single-story modular buildings and associated site work including site utilities, retaining walls, stairs, ramps, fencing, landscaping, and hardscaping, secondary electrical service and distribution, main fire lines, fire hydrants, fire alarm and other low voltage systems, concrete foundation, concrete paving, installation of photovoltaic system. Construction of new lunch shelter.

1.03 CONTRACTS

- A. Perform the Work under a single, fixed-price Contract under Bid No. LCF 25/26-03. The projects consist of:

- (1) DSA A#03-125476 - Bid No. LCF 25/26-03, the work includes: Hazardous materials abatement, building demolition, site clearing, site grading, over-excavation and re-compaction of building pads, paving, landscaping, concrete foundation, site utilities, and utility connection for the buildings, fire alarm system in its entirety, photovoltaic system, communications system for the new modular classroom buildings. Where the term "Prime Contractor", "Contractor", or "Site Contractor" is used shall be interpreted the mean work to be performed under this Bid No. LCF 25/26-03. The District has included the attached "Responsibility Matrix" (Attachment "A") with American Modular Systems ("AMS") to clarify work by Contractor, District, and AMS. The items listed in Para 1.03C below are intended to distinguish work done under this Bid No. LCF 25/26-03, from work to be performed by AMS. This will not alleviate any responsibility required from the contract drawing or in providing a complete system. **All work identified or required in the Contract Documents is to be performed by the Contractor under this Bid No. LCF 25/26-03 if not specified to be performed by others in this Summary of Work paragraph 1.03 item C or in 1.04 below. All work identified as "by others" on the Modular Building drawings shall be part of this Bid No. LCF 25/26-03 if not designated to be performed by District in paragraph 1.03 item C or in 1.04 below.**

B. OVERALL PROJECT SITE REQUIREMENTS

- (1) Prime Contractor shall be responsible for all SWPPP installation, reporting, & maintenance within the construction area and surrounding area affected by construction activities. All SWPPP maintenance (i.e. dust control) that comes from the Modular Contractor (AMS) shall be performed under this Bid No. LCF 25/26-03.
- (2) The District has provided a fencing plan that is to be installed at the beginning of the project by the Prime Contractor. Contractor shall maintain, repair and replace the temporary construction fencing and sound blankets during the construction period as required.
- (3) Prime Contractor is to provide to the district a traffic control plan and allowable delivery schedule. Deliveries shall not interfere with day-to-day school operation. Student main drop off and pick up time are to be avoided. Contractor shall provide traffic safety personnel to safely guide and escort construction equipment and truck in and out of the construction site, including through the school playground and parking lot.
- (4) Prime Contractor shall prepare and submit utilities coordination drawings for review by the architect within 20 calendar days of receiving the NTP.

C. MODULAR CLASSROOM BUILDINGS (DSA A#03-125476)

- (1) Prime Contractor shall complete all site demolition, clearing, earthwork, over-excavation and re-compaction under the building pads, grading, site utilities, site concrete, site lighting, fencing, door signage, ADA signage, paving, landscaping, and ADA access ramps as shown on contract drawings. Prime Contractor to establish final grade for the building pads and adjacent site paving, retaining walls, stairs and ramps. **Prime Contractor is responsible for all General Requirement specified in Division 1 sections of the Specifications.**
- (2) Prime contractor shall construct the Modular Building concrete foundations, and Modular Building vents in its entirety (Refer to structural sheets for the modular buildings). The Prime Contractor shall be responsible for coordinating with AMS and architect to ensure foundations are properly located by a certified survey firm to establish building corners and top and bottom of foundation. All work outside the modular building footprint shall be the responsibility of this Bid No. LCF 25/26-03 in its entirety. At exterior of buildings Prime contractor shall be responsible to bring to grade and compact after foundations have been poured. Prime Contractor shall construct the concrete slurry under the buildings. Prime Contractor shall prepare shop drawings for foundations showing all footing dimensions, top and bottom elevations, embeds, all utility pipe penetrations, rebar placement etc. Shop drawings shall be submitted to the Architect for review within 35 calendar days of NTP.
- (3) The Modular Buildings embeds will be District Furnished Contractor Installed. The Prime Contractor shall be responsible for scheduling, receiving, and installation of building embeds. Contractor shall use a licensed professional surveyor to set and verify placement of embeds. Contractor shall ensure that Embed locations are reviewed by AMS two days prior to concrete pour.

- (4) Prime Contractor shall coordinate with AMS to ensure that site access for the delivery of the Modular Buildings is unobstructed. This will include the removal and re-installation of construction fence and gate. The prime contractor shall ensure proper site access for the delivery and staging of the modular buildings. During the delivery phase of the project. All other work shall be lower priority during the delivery and erection of the modular buildings. No other on-site work shall interfere with or impede the delivery, placement and erection of the modular buildings.
- (5) Prime Contractor shall install the lunch shelter including lighting, and painting as shown on the plans. Lunch shelter shall be District's furnished item. Contractor shall furnish and install the lighting fixtures.
- (6) Prime Contractor shall provide sleeves for all utility lines for each modular building as shown on the contract drawings. Location of each sleeve will be verified by AMS prior to prime contractor's placement of concrete foundation.
- (7) Prime Contractor shall furnish and install all temporary utilities including temporary electrical power for AMS. Prime Contractor shall provide spider boxes at each end of the Modular Buildings.
- (8) Contractor shall provide the security systems and technology/data systems per the responsibility matrix in Sheets 5ES0.03, 5ET0.03. Contractor shall provide all conduits as shown on Sheet 5ET1.01.
- (9) Fire alarm System - Prime Contractor shall furnish and install the complete system to include connection to main fire alarm control panel, and programming and commissioning of system. AMS will provide pathway within the modular units.
- (10) T-bar ceilings grid will be installed at time of delivery of modular building. Prime Contractor will be responsible for any damaged to ceiling caused by prime contractor.
- (11) Prime Contractor shall furnish and install perimeter fencing, site fencing, gates locksets including locksets, cylinders, key core to include all gate hardware.
- (12) Prime Contractor shall furnish and install electrical conduit under Modular Building crawl space to subpanel stub out which will be provided by AMS. The Prime Contractor shall make the final electrical conduit connection for each electrical panel as shown underneath the crawl space of the AMS modular Bldgs. Ref. AMS sheet E1.2A-A. Prime Contractor shall be responsible for pulling and terminating electrical feeds to each electrical panel.
- (13) Prime Contractor shall furnish and install the modular buildings electrical grounding per 3/5E0.61. Prime Contractor is responsible for test grounding systems and submit reports to the District.
- (14) Prime Contractor shall furnish, install and program the HVAC control system.
- (15) Prime contractor shall furnish and install the fire water service to each building fire riser room 12" off finish floor. The fire sprinkler risers shall be installed by AMS. Prime contractor to provide fire line connecting flange, flow switch and is responsible for making the final connection, including connection to fire alarm system. Prime contractor to provide sewer connection drain at fire riser locations.

- (16) Contractor shall furnish and install the rooftop photovoltaic system for complete system function per Specifications Sections 48 1400 and 48 1713. AMS will provide sleeve at roof penetration to ceiling space, and pathway from ceiling space to electrical rooms. Contractor shall furnish and install all underground conduits and rooftop conduits, conductors, solar arrays, and all associated electrical equipment shown on the Photovoltaic Drawings.
- (17) Prime Contractor shall be responsible for the final cleaning of the modular buildings both interior and exterior along with the site final cleaning.
- (18) Prime Contractor is responsible for the chlorination of the entire domestic water distribution system to and within the Modular Bldgs. (24-hour test will be required)
- (19) Prime Contractor shall allow parking for two (2) AMS work trucks onsite. In addition, the Prime Contractor shall provide additional portable restrooms and wash stations to service up to 15 workers for the duration AMS is onsite. (refer to proposed schedule for durations)
- (20) Prime Contractor shall be responsible for the disposal of all trash onsite including all trash and debris generated by AMS. The contractor shall provide five additional 10-yard concrete trash bins at the district's direction.

1.04 WORK BY OTHERS

- A. Work on the Project that will be performed and completed prior to the start of the Work of this Contract:
 - (1) The District will provide a parking/staging area for the project located at the upper playground west of the building pad. The Prime Contractor shall furnish and install the temporary electrical service to District construction trailer and contractor's construction trailer.
- B. Work on the Project that will be performed by others concurrently with the Work of this Contract:
 - (1) The District has purchased the modular buildings from AMS. The modular buildings will be delivered and installed in accordance with the milestone dates in the construction preliminary schedule. Refer to the special conditions in the Procurement & Contracting Requirement. The Prime Contractor shall be responsible for providing site access for the AMS modular building delivery along with the necessary staging required to set the modular buildings.
 - (2) Work listed on drawings sheet 5ES0.03 and 5ET0.03 to be "furnished by", and/or "installed by" District.

1.05 CODES, REGULATIONS, AND STANDARDS

- A. The codes, regulations, and standards adopted by the state and federal agencies having jurisdiction shall govern minimum requirements for this Project. Where codes, regulations, and standards conflict with the Contract Documents, these conflicts shall be brought to the immediate attention of the District and the Architect.

- B. Codes, regulations, and standards shall be as published effective as of date of bid opening, unless otherwise specified or indicated.

1.06 PROJECT RECORD DOCUMENTS

- A. Contractor shall maintain on Site one set of the following record documents; Contractor shall record actual revisions to the Work:

- (1) Contract Drawings.
- (2) Specifications.
- (3) Addenda.
- (4) Change Orders and other modifications to the Contract.
- (5) Reviewed shop drawings, product data, and samples.
- (6) Field test records.
- (7) Inspection certificates.
- (8) Manufacturer's certificates.

- B. Contractor shall store Record Documents separate from documents used for construction. Provide files, racks, and secure storage for Record Documents and samples.

- C. Contractor shall record information concurrent with construction progress.

- D. Specifications: Contractor shall legibly mark and record at each product section of the Specifications the description of the actual product(s) installed, including the following:

- (1) Manufacturer's name and product model and number.
- (2) Product substitutions or alternates utilized.
- (3) Changes made by Addenda and Change Orders and written directives.

1.07 EXAMINATION OF EXISTING CONDITIONS

- A. Contractor shall be held to have examined the Project Site and acquainted itself with the conditions of the Site and of the streets or roads approaching the Site.
- B. Prior to commencement of Work, Contractor shall survey the Site and existing buildings and improvements to observe existing damage and defects such as cracks, sags, broken, missing or damaged glazing, other building elements and Site improvements, and other damage.
- C. Should Contractor observe cracks, sags, and other damage to and defects of the Site and adjacent buildings, paving, and other items not indicated in the Contract Documents, Contractor shall immediately report same to the District and the Architect.

1.08 CONTRACTOR'S USE OF PREMISES

- A. If unoccupied and only with District's prior written approval, Contractor may use the building(s) at the Project Site without limitation for its operations, storage, and office facilities for the performance of the Work. If the District chooses to beneficially occupy any building(s), Contractor must obtain the District's written approval for Contractor's use of spaces and types of operations to be performed within the building(s) while so occupied. Contractor's access to the building(s) shall be limited to the areas indicated.
- B. If the space at the Project Site is not sufficient for Contractor's operations, storage, office facilities and/or parking, Contractor shall arrange and pay for any additional facilities needed by Contractor.
- C. Contractor shall not interfere with use of or access to occupied portions of the building(s) or adjacent property.
- D. Contractor shall maintain corridors, stairs, halls, and other exit-ways of building clear and free of debris and obstructions at all times.
- E. No one other than those directly involved in the demolition and construction, or specifically designated by the District or the Architect shall be permitted in the areas of work during demolition and construction activities.
- F. The Contractor shall install the construction fence and maintain that it will be locked when not in use. Keys to this fencing will be provided to the District.
- G. No work will be permitted to start prior to 7:00am.

1.09 PROTECTION OF EXISTING STRUCTURES AND UTILITIES

- A. The Drawings show above-grade and below-grade structures, utility lines, and other installations that are known or believed to exist in the area of the Work. Contractor shall locate these existing installations before proceeding with excavation and other operations that could damage same; maintain them in service, where appropriate; and repair damage to them caused by the performance of the Work. Should damage occur to these existing installations, the costs of repair shall be at the Contractor's expense and made to the District's satisfaction.
- B. Contractor shall be alert to the possibility of the existence of additional structures and utilities. If Contractor encounters additional structures and utilities, Contractor will immediately report to the District for disposition of same as indicated in the General Conditions.

1.10 UTILITY SHUTDOWNS AND INTERRUPTIONS

- A. Contractor shall give the District a minimum of three (3) days written notice in advance of any need to shut off existing utility services or to effect equipment interruptions. The District will set exact time and duration for shutdown, and will assist Contractor with shutdown. Work required to re-establish utility services shall be performed by the Contractor.
- B. Contractor shall obtain District's written approval as indicated in the General Conditions in advance of deliveries of material or equipment or other activities that may conflict with District's use of the building(s) or adjacent facilities.

1.11 STRUCTURAL INTEGRITY

- A. Contractor shall be responsible for and supervise each operation and work that could affect structural integrity of various building elements, both permanent and temporary.
- B. Contractor shall include structural connections and fastenings as indicated or required for complete performance of the Work.

PART 2 – PRODUCTS Not Used.

PART 3 – EXECUTION Not Used.

LA CANADA UNIFIED SCHOOL DISTRICT
PARADISE CANYON ELEMENTARY SCHOOL; MODULAR CLASSROOM BUILDING - DSA 03-125476

RESPONSIBILITY MATRIX
 6-May-26

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR (AMS)	DISTRICT OTHERS	COMMENTS
DIVISION 01 - GENERAL REQUIREMENTS				
Temporary Facilities /Toilets	X			
Temporary Site Fencing / Dumpsters	X			
Temporary Field Office Trailers	X			
Temporary Electrical Power	X			
All City Permits, Fees, Water, Electrical Etc.	X			
Temporary Phone &Internet	X			
Staging area for modules on site	X			Site contractor shall clear the upper playground prior to the delivery of the modular buildings to ensure adequate space for trucks, crane and temporary staging of the modular units.
Site Security	X			In accordance with General Conditions
DIVISION 02 - EXISTING CONDITIONS				
Subsurface Investigation	X			<i>If Applicable.</i>
Removal of any obstacles within 40' of building foundation that my impede crane set of modular buildings	X			
Demolition & removals	x			
DIVISION 03 - CONCRETE				
Mow Strips -If Applicable	X			
Site Flatwork &Accessories	X			
Curb & Gutter	X			
Concrete Forming & Reinforcing	X			
CIP Concrete	X			
Precast Concrete	X			
Concrete Cutting	X			
Modular Building Foundations	X			Modular contractor responsible for foundation design only - per pre-approved PC and geotechnical report from Allan E. Seward Engineering Geology, Inc. dated 6/19/24. Set + 1/8" plane, plumb and level (horizontal, vertical and square, diagonal) over the overall length and width of the foundation footprint.
Mechanical & Utility Foundations	X			
Site Stuctures Foundations (Retaining walls, fences, light poles, etc...)	X			
Foundation Staking	X			Site contractor must maintain stakes
Establish Building Corners & Surveying	X			All Prime& Modular Contractors to Protect.
Haul-Off of All Foundation/ Form Spoils From Site	X			
All Building Footings & Stem Walls	X			
Crawl space slurry	X			
Provide Modular Foundation embeds, material only		X		Material only with tailgate delivery to site (to be coordinated by Site Contractor). Equipment to offload embeds delivery to be provided by Site Contrator.
Install Foundation embeds for Modular Buildings	X			Set ± 1/8" plane, plumb and level (horizontal, vertical and square, diagonal) over the overall length and width of the foundation footprint.
Install Modular Foundation Vents and Grates At Concrete Paved Areas	X			Formed and poured after buildings craned and set and structurally connected.
Supply Metal Grates and Frames Material Only	X			
Modular Foundation -Dig footings	X			

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR (AMS)	DISTRICT OTHERS	COMMENTS
Provide/Install Light Weight Concrete Subfloors interior of Building		X		
Crawlspace drains	X			
DIVISION 04 - MASONRY				
Masonry (Site Walls)	X			AMS scope limited to Modular building only.
Masonry (Buildings exterior clading)		X		
Grout & Mortar (Site Walls)	X			AMS scope limited to Modular building only.
Grout & Mortar (Buildings exterior clading)		X		
Precast Caps	X			
DIVISION 05 - METALS				
Building Foundation Counter Flashing and weep screeds		X		
Building Foundation & Access Vent Grates	X			Vents shall be wild-life urban interface (WUI) compliant
ADA Building Handrails		X		
ADA Building Guardrails		X		
ADA Site Handrails	X			
ADA Site Guardrails	X			
ADA Drinking Fountain Guardrails	X			
DIVISION 07 - THERMAL & MOISTURE PROTECTION				
Building Damproofing & Waterproofing		X		Modular buildings only. Above grade conditions only
Weather Barriers		X		
Roofing- Standing Seam Metal		X		
Fire & Smoke Protection	X			AMS Modular will provide pathway inside the buildings for Fire Alarm
DIVISION 08 - OPENINGS				
Doors & Frames		X		AMS to provide transfer hinges, back boxes and conduit stubs only for electronic locks/card readers; all other electronic door access scope by others
Windows& Frames		X		To include (1) motorized operable window per classroom
Door Hardware		X		Mechanical Locksets by AMS - District to provide AD300 locksets, Access Control System, card reader, door sensors, request to exit, etc. & wiring, testing/ commissioning/ programming
Glazing		X		
Louvers & Vents		X		
DIVISION 09 - FINISHES				
Gypsum Board		X		
Tackable Wall Panels		X		
FRP panels in Custodial Closets		X		
Ceramic Tile		X		
Ceramic tile grout sealer		X		
Ceiling Systems		X		
Floorings & Base		X		
Interior Wall Finishes		X		
Painting & Coatings		X		
Single coat stucco		X		
Exterior caulking		X		Modular buildings only.
Brick Veneer (on modular buildings)		X		
Brick veneer grouting		X		Modular buildings only
Paint Exterior		X		Modular buildings only
Walk-Off Floor Mats at Classroom Entry		X		
DIVISION 10 - SPECIALTIES				
Building/Room Signage & Site ADA Signage	X			All required signage
Backpack Hooks		X		
DIVISION 11 - EQUIPMENT				
Security Equipment - If Applicable	REFER TO SECURITY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Educational Equipment (Smart TVs, WAPs, Smartboards, Etc.)	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
DIVISION 12 - FURNISHINGS				
Casework, Cabinets, & Countertops		X		
Classroom Furniture			X	
DIVISION 14 - CONVEYING EQUIPMENT				

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR (AMS)	DISTRICT OTHERS	COMMENTS
DIVISION 13 - SPECIAL CONSTRUCTION				
Engineering & DSA approval		X		In collaboration with project architect
Manufacture building(s)		X		Per DSA approved drawings.
Transport cost to site		X		Special fees, permits, CHP escort, traffic control/coordination fees, if required, are not included
Modular Buildings offsite storage costs, permits as well as transport costs, including pilot cars, from off-site staging area to project site			X	If off-site staging is required and utilized
Storage fees associated with long-term storage of modular units at modular manufacturer's plant / property			X	Modules being stored at factory over 90 days will require payment
DSA fees			X	
In-plant inspection fees			X	
DIVISION 21 - FIRE SUPPRESSION				
Fire Water Service-Stubbed into New Buildings AFF w/Flange 12"	X			Bring FS line to point of connection Terminate 12" above FF w/flange after building is set on foundation
Fire Water Service Within New Building		X		
Fire lines underground & hydrants	X			
Fire Sprinklers Including Calculations, Building Backflows, Signage, Etc. Per DSA Approval.		X		
Fire sprinkler riser connection to underground	X			Refer to AMS POC Plan. Opening in floor for flange extension by AMS. Site contractor to seal the floor opening.
Connect Bell & Flow Switch to Fire Alarm System	X			
Sewer line for water discharge	X			
Priming of Sewer line P-trap at Fire Riser	X			
Fire sprinkler Riser & Connection to building fire sprinkler		X		AMS scope begins +12" A.F.F. Connection to site fire water service by others
DIVISION 22 - PLUMBING				
Building Foundation & Site Drywells	X			
All Cleanouts below finished Floor	X			
Site/under building foundation area drains	X			Installed prior to foundation completion
Pressure Testing of All UG lines	X			
Storm Drain Lines & Catch Basins	X			
Provide & Install Building Gutters		X		
Site Sewer Line-Within 2' of New Building	X			Site contractor to provide utilities coordination drawings for review prior to concrete foundation installation
Site Water Service-Within 2' of New Building	X			Site contractor to provide utilities coordination drawings for review prior to concrete foundation installation
Building Shut Off Valves (Water, FW, Etc.)	X			At or below grade conditions
Site Shut Off Valves (Water, Gas, FW, Etc.)	X			
Shut Off Valves & Pressure Reducing Valves in Building		X		
Building Water Service within modular buildings		X		Per POC drawing
10' on-site head test	X			If required, modular manufacturer to provide below floor flood testing only
In-plant head test		X		
Plumbing Fixtures		X		Per AMS drawings/approved submittals
Drinking fountain		X		Per AMS drawings/approved submittals
Chlorination -All Lines	X			Including modular buildings
Downspout cleanouts	X			
Connect Downspouts to storm drain	X			

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR (AMS)	DISTRICT OTHERS	COMMENTS
Crawlspace waste manifold		X		Stub 2' past foundation stem wall. Waste Manifold to be Cast Iron per POC
Building Mounted Exterior Hose Bibbs		X		
Roof mounted hose bibbs		X		
DIVISION 23 - HVAC				
HVAC Piping within The Building		X		
SystemAir Interior HVAC systems - 3phase		X		
HVAC Supply & Return Ducts		X		
HVAC Exhaust Fans		X		Restrooms only
HVAC Air Cleaning Devices		X		Air filter provided at start-up
Thermostats	X			Pelican TS-250 or latest model (for package units only. Ductless split does not accept Pelican). AMS to provide receptacle for the gateway/ transmitter (internet connection) above ceiling.
EMS System	X			Including thermostats/sensors/controls/ conductors/gateway
EMS Wiring, Testing, Labeling, Devices, Etc. To Ensure EMS is compatible with New HVAC Units	X			
Certified Air Balance	X			
Power for EMS		X		
Backboxes/J-boxes within wall cavity		X		Stubbed 6" above T-bar only
EMS sensors/thermostats conductors	X			Connect to HVAC units
1-TEC interior HVAC systems- 3phase		X		
HVAC Condensate Lines Plumbed To Rear of Building		X		Per POC
Mini Split HVAC Systems- (1) for IDF RM P11B		X		
HVAC Start-up & Testing		X		
DIVISION 26 - ELECTRICAL				
Site Electrical Service-to New Building	X			Including connecting to and energizing modular subpanels
Interior (With Occupancy Sensors) & Exterior Building LED Light Fixtures		X		Per AMS drawings/approved submittals
Site Light Fixtures & Foundations	X			
Site UG Trenching, Backfill, & Compaction	X			
Main Switchboards	X			
Conductors To Meters	X			
Transformers	X			
Conduit pathway and conductors to transformers and from transformers to MSB	X			
Distribution Switchboards	X			Site GC to provide conductors, ground draw, and connections for main distribution panel grounding.
Energizing of New Building & All Site/ Building Electrical Components	X			
Building Electrical SubPanels		X		Per AMS drawings--to be energized by Site GC. Modular manufacturer scope ends below finish floor, final connections by others
Ground Rods, Testing, & Reports	X			
Power for Low Voltage Components		X		Per layout provided by project AOR.
All Electrical Within New Building		X		See related items in Division 21, 23, 26, and 27 for scope limitations
Conductors from Main Switch Board to Modular Sub panels	X			Per POC drawings. Site GC to provide and install conductors, and terminate at both ends. Energize all building subpanels

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR (AMS)	DISTRICT OTHERS	COMMENTS
Electrical conduit from MSB to crawl space subpanel stub out	X			
Coring through building Floor for conduits		X		Ensure that electrical layout is finalized and confirmed prior to fabrication.
Circuit monitoring	X			
Modular Building Panels ID/circuit ID Labeling		X		Within AMS modular building only
All building exterior lighting to EMS location	X			AMS to provide building-mounted lighting per AMS electrical plans and stub conduits above ceiling (provide pathways). Site contractor to extend conduits & connect and supply to EMS/lighting control panel.
EMS controls panel	X			If applicable
Interior light programming		X		AMS systems only, standard switch and OCC sensor. Wattstopper controls and factory programming, final site programming by others
Exterior light programming	X			
Conduits connection building wings	X			
Interior dimmable LED lights		X		
Exterior LED lights within modular buildings		X		
Interior occupancy sensors/photo sensors		X		For LED lights
Exterior soffit lighting		X		Per AMS drawings
Building Mounted Exterior Power Outlets		X		
Conduit pathway from roof to IDF room for solar		X		
Lighting System Testing	X	X		Building-lighting to be commissioned by AMS. Site-Lighting commissioned by site contractor.
DIVISION 27 - LOW VOLTAGE				
All Necessary Conduit Sleeves Between Classroom to Classroom		X		As necessary for low voltage system(s). Includes from wing to wing per POC drawing
All New to Existing Low Voltage Tie-Ins (To Be Coordinated Through The School)	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Testing of All Low Voltage Lines	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Training of District Employees For All New Devices	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Telephone System & Devices at New Building	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Network Infrastructure	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Fiber Optic Network System	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Audio-Video Systems	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
PA, Clock & Bell System-Install, Equipment, Cabling, Testing, Labeling, Etc.	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Structured Cabling	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Data Communications	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
Data System- Install, Equipment, Cabling, Testing, Labeling, Etc.	REFER TO TECHNOLOGY DRAWINGS AND DIV 1 SUMMARY OF WORK			
All Fire Alarm Communications & Panels	X			
Fire Alarm System - Install, Equipment, Cabling, Testing, Labeling, Etc.	X			

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR (AMS)	DISTRICT OTHERS	COMMENTS
Site Fire Alarm Systems to Complete Flow & Tamper Switches- To Include All backflows, DCDA, risers, PIV, fire hydrants, etc.	X			
Low voltage backboxes/ J-boxes within wall cavity only		X		Stubbed 6" above T-bar ceiling only
Fire alarm backboxes/J-boxes within wall cavity only		X		Stubbed 6" above T-bar ceiling only. Per FA drawings provided by project AOR. District/AOR/Others to provide back box and conduit sizing one month prior to production. Modular manufacturer scope ends below F.F. Power provided by others.
All FA conduits in wall and overhead		X		Per FA drawings provided by project AOR.
All surface mounted FA panels and surface mounted conduits.	X			
Underground & below finish floor Conduit pathway to IDF room	X			
IDF cabinets	X			Power and blocking only by Modular Contractor.
Signal Termination Cabinets	X			
DIVISION 28 - ELECTRONIC SAFETY & SECURITY				
New Building Security System				REFER TO SECURITY DRAWINGS AND DIV 1 SUMMARY OF WORK
All New to Existing Security Tie-Ins (To Be Coordinated Through The School)				REFER TO SECURITY DRAWINGS AND DIV 1 SUMMARY OF WORK
Testing of all Security Lines				REFER TO SECURITY DRAWINGS AND DIV 1 SUMMARY OF WORK
Access control devices				REFER TO SECURITY DRAWINGS AND DIV 1 SUMMARY OF WORK
Training of District Employees For All New Devices & Equipment				REFER TO SECURITY DRAWINGS AND DIV 1 SUMMARY OF WORK
DIVISION 31 - EARTHWORK				
Site & Building Excavation, Backfill, Compaction, Import, Export, Etc.	X			Backfill along building perimeter within 2 weeks after each building is crane set
Rough Grading (including building perimeter)	X			
Import/export fill to include engineered fill if applicable per soils report	X			
Surveying, Staking (Site & Building Footprint), Etc.	X			Site contractor must maintain building stakes/corner locations
Finish Grade, Including Slopes To Drain (If Applicable) Within The Building Pad Area, & Re-Grading After All Removed Form Work.	X			
Excavate Modular Building Foundation Pads To +/- .1' for 16" Crawl Space Height.	X			Excavate 5' minimum horizontally beyond building perimeter. Crawl space grade to be set at 2'-5 1/2" minimum from finish grade to finish floor per drawings
DIVISION 32 - ASPHALT, CONCRETE, PAVING				
Asphalt Concrete Paving& Slurry Seal (Power Wash Prior To Seal)	X			
Walkways	X			
Striping	X			
Protection Bollards	X			
Gates & Fencing -Including Footings, Soil Export, Etc.	X			
Landscape Planting	X			
Landscape Irrigation Systems	X			
OTHER(S)				
Lunch Shelter	X			
Restroom Accessories		X		AMS to provide Mirrors, toilet paper dispensers, Grab Bars and Hand Dryers only
Classroom Accessories (Soap/Towel Dispenser)			X	
Site SWPPP & Monitoring	X			
Temporary Construction Keys & Cores		X		Modular buildings only, for casework and doors.

ACTIVITY DESCRIPTION	SITE CONTRACTOR	MODULAR CONTRACTOR (AMS)	DISTRICT OTHERS	COMMENTS
Permanent Building Master Keys & Cores			X	
Provide Unobstructed Truck/ Crane Routes & Access To Building Foundation Pads	X			District& Contractors to Ensure No Material, Equipment, Stockpiles, Etc. is in the way.
Projection Screens- If Applicable			X	
Classroom Markerboards		X		
Folding Partition Wall		X		Acousti-Seal 932 Series or equal
Dust Control	X			
Photo Voltaic System (complete system) to include but not limited to solar panels, structural connection, electrical connection, disconnects, inverter	X			AMS to provide pathway within modular buildings. All exterior and underground pathway by site contractor.
Utility POC Coordination	X			
Access Panels		X		
Restroom Hand Dryers		X		
Modular Building Delivery, Craning, Rigging, & Erecting		X		
Low Voltage Cable Trays	X			As indicated on plans
Water Heaters		X		Janitor rooms/Instahots added to the staff restrooms
In Wall backing for TV brackets, projectors, projection screens		X		
Interior Window Coverings		X		
Final cleaning	X			

END OF DOCUMENT

TEMPORARY FACILITIES AND CONTROLS

PART 1 – GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions;
- C. Site Standards; and
- D. Construction Waste Management and Disposal.

1.02 TEMPORARY UTILITIES:

A. Electric Power and Lighting:

- (1) Contractor shall provide temporary power during the course of the Work. To the extent power is available in the building(s) or on the Site, Contractor may use the District's existing utilities. Contractor shall be responsible for providing temporary facilities required to deliver that power service from its existing location on the Site, or off-site to point of intended use.
- (2) Contractor shall verify characteristics of power available in building(s) or on the Site. Contractor shall take all actions required to make modifications where power of higher voltage or different phases of current are required. Contractor shall be fully responsible for providing that service and shall pay all costs required therefor.
- (3) Contractor shall furnish, wire for, install, and maintain temporary electrical lights wherever it is necessary to provide illumination for the proper performance and/or observation of the Work: a minimum of 20 foot-candles for rough work and 50 foot-candles for finish work.
- (4) Contractor shall be responsible for maintaining existing lighting levels in the project vicinity should temporary outages or service interruptions occur.
- (5) **Contractor is advised that portion of the site will be in used during the construction of the improvement. Contractor shall ensure that electrical power, lighting is not interrupted in spaces or facilities occupied by the District during the construction work.**

B. Water:

- (1) To the extent water is available on the Site, Contractor may use the District's existing utilities. Contractor shall be responsible for providing temporary facilities

required to deliver such utility service from its existing location on the Site, or other location approved by the local water agency, to point of intended use.

- (2) Contractor shall use backflow preventers on water lines at point of connection to District's water supply. Backflow preventers shall comply with requirements of Uniform Plumbing Code.
- (3) Contractor shall make potable water available for human consumption.

C. Sanitary Facilities:

- (1) Contractor shall provide sanitary temporary facilities in no fewer numbers than required by law and such additional facilities as may be directed by the Inspector for the use of all workers. The facilities shall be maintained in a sanitary condition at all times and shall be left at the Site until removal is directed by the Inspector or Contractor completes all other work at the Site.
- (2) Use of toilet facilities in the Work under construction shall not be permitted except by consent of the Inspector and the District.

D. Telephone Service:

- (1) Contractor shall arrange with local telephone service company for telephone service as required for the performance of the Work. Contractor shall, at a minimum, provide in its field office one line for telephone and one line for fax machine.
- (2) Contractor shall pay the costs for telephone and fax lines installation, maintenance, service, and removal.

E. Fire Protection:

- (1) Contractor shall provide and maintain fire extinguishers and other equipment for fire protection. Such equipment shall be designated for use for fire protection only and shall comply with all requirements of the California Fire, State Fire Marshall and/or its designee.
- (2) Where on-site welding and burning of steel is unavoidable, Contractor shall provide protection for adjacent surfaces.

F. Trash Removal:

- (1) Contractor shall provide trash removal on a timely basis. Under no circumstance shall Contractor use District trash service.

G. Contractor's Field Office:

- (1) If Contractor chooses to provide a field office, it shall be an acceptable construction trailer that is well-lit and ventilated. The construction trailer shall be equipped with shelves, desks, filing cabinet, chairs, and such other items of equipment needed. Trailer and equipment are the property of the Contractor and must be removed from the Site upon completion of the Work. Location of trailer shall be approved by the District.

- (2) Contractor shall provide any additional electric lighting and power required for the trailer. Contractor shall make adequate provisions for heating and cooling as required.

1.03 CONSTRUCTION AIDS:

A. Plant and Equipment:

- (1) Contractor shall furnish, operate, and maintain a complete plant for fabricating, handling, conveying, installing, and erecting materials and equipment; and for conveyances for transporting workers. Include elevators, hoists, debris chutes, and other equipment, tools, and appliances necessary for performance of the Work.
- (2) Contractor shall maintain plant and equipment in safe and efficient operating condition. Damages due to defective plant and equipment, and uses made thereof, shall be repaired by Contractor at no expense to the District.

B. None of the District's tools and equipment shall be used by Contractor for the performance of the Work.

1.04 BARRIERS AND ENCLOSURES:

A. Contractor shall obtain the District's written permission for locations and types of temporary barriers and enclosures, including fire-rated materials proposed for use, prior to their installation.

B. Contractor shall provide and maintain temporary enclosures to prevent public entry and to protect persons using other buildings and portions of the Site and/or Premises, the public, and workers. Contractor shall also protect the Work and existing facilities from the elements, and adjacent construction and improvements, persons, and trees and plants from damage and injury from demolition and construction operations.

C. Contractor shall provide site access to existing facilities for persons using other buildings and portions of the Site, the public, and for deliveries and other services and activities.

D. Tree and Plant Protection:

- (1) Contractor shall preserve and protect existing trees and plants on the Premises that are not designated or required to be removed, and those adjacent to the Premises.
- (2) Contractor shall provide barriers to a minimum height of 4'-0" around drip line of each tree and plant, around each group of trees and plants, as applicable, in the proximity of demolition and construction operations, or as denoted on the Plans.
- (3) Contractor shall not park trucks, store materials, perform Work or cross over landscaped areas. Contractor shall not dispose of paint thinners, water from cleaning, plastering or concrete operations, or other deleterious materials in landscaped areas, storm drain systems, or sewers. Plant materials damaged as a result of the performance of the Work shall, at the option of the District and at Contractor's expense, either be replaced with new plant materials equal in size to

those damaged or by payment of an amount representing the value of the damaged materials as determined by the District.

- (4) Contractor shall remove soil that has been contaminated during the performance of the Work by oil, solvents, and other materials which could be harmful to trees and plants, and replace with good soil, at Contractor's expense.
- (5) Excavation around Trees:
 - (a) Excavation within drip lines of trees shall be done only where absolutely necessary and with written permission from the District.
 - (b) Where trenching for utilities is required within drip lines, tunneling under and around roots shall be by hand digging and shall be approved by the District. Main lateral roots and taproots shall not be cut. All roots 2 inches in diameter and larger shall be tunneled under and heavily wrapped with wet burlap so as to prevent scarring or excessive drying. Smaller roots that interfere with installation of new work may be cut with prior approval by the District. Roots must first be cut with a Vermeer, or equivalent, root cutter prior to any trenching.
 - (c) Where excavation for new construction is required within drip line of trees, hand excavation shall be employed to minimize damage to root system. Roots shall be relocated in backfill areas wherever possible. If encountered immediately adjacent to location of new construction, roots shall be cut approximately 6 inches back from new construction.
 - (d) Approved excavations shall be carefully backfilled with the excavated materials approved for backfilling. Backfill shall conform to adjacent grades without dips, sunken areas, humps, or other surface irregularities. Do not use mechanical equipment to compact backfill. Tamp carefully using hand tools, refilling and tamping until Final Acceptance as necessary to offset settlement.
 - (e) Exposed roots shall not be allowed to dry out before permanent backfill is placed. Temporary earth cover shall be provided, or roots shall be wrapped with four layers of wet, untreated burlap and temporarily supported and protected from damage until permanently relocated and covered with backfill.
 - (f) Accidentally broken roots should be sawed cleanly 3 inches behind ragged end.

1.05 SECURITY:

The Contractor shall be responsible for project security for materials, tools, equipment, supplies, and completed and partially completed Work.

1.06 TEMPORARY CONTROLS:

A. Noise Control:

- (1) Contractor acknowledges that adjacent facilities will remain in operation during a portion of the Work period, and it shall take all reasonable precautions to minimize noise as required by applicable laws and the Contract Documents.
- (2) Notice of proposed noisy operations, including without limitation, operation of pneumatic demolition tools, concrete saws, and other equipment, shall be submitted to the District a minimum of forty-eight (48) hours in advance of their performance. Refer to Special Conditions for limitations on noise producing operations.
- (3) Refer to Section 01 41 11 CEQA Mitigation Measures for additional requirements.
 - (a) Furnish and Install Acoustical Curtain/Sound Blanket.
 - i. Contractor shall furnish and install acoustical curtain/sound blanket on 8-foot chain link fence where indicated on the fencing plan (Refer to the Special Conditions) and, as required per Section 01 41 11.
 - ii. Product shall be exterior grade, UV resistant heavy-duty faced quilted fiberglass absorber bonded to a reinforced loaded vinyl barrier.
 - iii. The quilted blanket shall be configured as hanging panels.
 - iv. Curtain panels shall be constructed with grommets across the top and bottom and exterior grade Velcro seals along the vertical edges.
 - v. Panel size: 46" (w) x 96" (h) nominal.
 - vi. Blankets shall meet the following minimum criteria:

NRC: 0.75
STC: 25
Temperature range: -20 degrees to 180 degrees
Fahrenheit
ASTM E84 Class 1 or A Fire Rating
 - vii. Panels shall be secured on fence with zip-ties. Fence panels and posts shall be constructed, erected and secured adequately to withstand prevailing winds in the area. Fence and noise blankets shall be maintained throughout the duration of construction and be removed at end of construction.

B. Noise and Vibration:

- (1) Equipment and impact tools shall have intake and exhaust mufflers.
- (2) Contractor shall cooperate with District to minimize and/or cease the use of noisy and vibratory equipment if that equipment becomes objectionable by its longevity.

C. Dust and Dirt:

- (1) Contractor shall conduct demolition and construction operations to minimize the generation of dust and dirt, and prevent dust and dirt from interfering with the progress of the Work and from accumulating in the Work and adjacent areas including, without limitation, occupied facilities.
- (2) Contractor shall periodically water exterior demolition and construction areas to minimize the generation of dust and dirt.
- (3) Contractor shall ensure that all hauling equipment and trucks carrying loads of soil and debris shall have their loads sprayed with water or covered with tarpaulins, and as otherwise required by local and state ordinance.
- (4) Contractor shall prevent dust and dirt from accumulating on walks, roadways, parking areas, and planting, and from washing into sewer and storm drain lines.

D. Water:

- (1) Contractor shall not permit surface and subsurface water, and other liquids, to accumulate in or about the vicinity of the Premises. Should accumulation develop, Contractor shall control the water or other liquid, and suitably dispose of it by means of temporary pumps, piping, drainage lines, troughs, ditches, dams, or other methods.

E. Pollution:

- (1) No burning of refuse, debris, or other materials shall be permitted on or in the vicinity of the Premises.
- (2) Contractor shall comply with applicable regulatory requirements and anti-pollution ordinances during the conduct of the Work including, without limitation, demolition, construction, and disposal operations.

F. Lighting:

- (1) If portable lights are used after dark, all light must be located so as not to direct light into neighboring property.

1.07 JOB SIGN(S):

A. General:

- (1) Contractor shall provide and maintain a Project identification sign with the design, text, and colors designated by the District and/or the Design Professional; locate sign as approved by the District.
- (2) Signs other than the specified Project sign and or signs required by law, for safety, or for egress, shall not be permitted, unless otherwise approved in advance by the District.

B. Materials:

- (1) Structure and Framing: Structurally sound, new or used wood or metal; wood shall be nominal 3/4-inch exterior grade plywood.
- (2) Sign Surface: Minimum 3/4-inch exterior grade plywood.
- (3) Rough Hardware: Galvanized.
- (4) Paint: Exterior quality, of type and colors selected by the District and/or the Design Professional.

C. Fabrication:

- (1) Contractor shall fabricate to provide smooth, even surface for painting.
- (2) Size: 4'-0" x 8'-0", unless otherwise indicated.
- (3) Contractor shall paint exposed surfaces of supports, framing, and surface material with exterior grade paint: one coat of primer and one coat of finish paint.
- (4) Text and Graphics: As indicated. (See Attached)

1.08 PUBLICITY RELEASES:

- A. Contractor shall not release any information, story, photograph, plan, or drawing relating information about the Project to anyone, including press and other public communications medium, including, without limitation, on website(s) without the written permission of the District.

PART 2 – PRODUCTS Not used.

PART 3 – EXECUTION Not used.

END OF DOCUMENT

Project Sign

Your Measure "LCF" Bond Dollars at Work
**Paradise Canyon Elementary School
Modernization Project**

La Cañada Unified School District Governing Board of Education

CAROLINE ANDERSON

JOSH EPSTEIN

DAN JEFFRIES

JOE RADABAUGH

OCTAVIA THUSS

Superintendent: Dr. DEBRA CRADDUCK

Program Manager: LINIK CORP

Architect: Practice

Contractor: TBD

A special thanks to the La Cañada Flintridge community for supporting this project.

For project related information contact Melissa Shepherd, mshepherd@lcsd.net.

DOCUMENT 01 52 13

FIELD OFFICES

PART 1 – GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS:

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions; and
- C. Temporary Facilities and Controls.

1.02 SECTION INCLUDES:

- A. Requirements for Field Offices and Field Office Trailers.

1.03 SUMMARY:

- A. General: Contractor shall provide District's Field Office Trailer and contents, for District's use exclusively, during the term of the Contract.
- B. Property: Trailer, furniture, furnishings, equipment, and the like, supplied by the Contractor with the Office Trailer shall remain the property of the Contractor; District property items installed, delivered, and the like by District within the Office Trailer will remain District's property.
- C. Modifications: District reserves the right to modify the trailer or contents, or both, as may be deemed proper by District.
- D. Condition: Trailer and contents shall be clean, neat, substantially finished, in good, proper, and safe condition for use, operation, and the like; the trailer and contents shall not be required to be new.
- E. Installation Timing: Provide safe, fully furnished, functional, proper, complete, and finished trailer properly ready for entire use, within fourteen (14) calendar days of District's notification of the issuance of Notice to Proceed.

1.04 SUBMITTALS:

- A. General: Submit submittals to District in quantity, format, type, and the like, as specified herein.
- B. Office Trailer Data: One (1) copy of manufacturer's descriptive data, technical descriptions, regulatory compliance, industry standards, installation, removal, and maintenance instructions.
- C. Equipment Data: Two (2) copies of manufacturer data for each type of equipment, if directed by District.

- D. Furniture and Furnishings Data: Two (2) copies of manufacturer data for each type of equipment, if directed by District.
- E. Plans: One (1) reproducible copy of appropriately scaled plans of trailer layout. Plans shall include, but not be limited to: lighting; furniture; equipment; telephone and electrical outlets; and the like.
- F. Product Samples: One (1) complete and entire unit of each type, if directed by District.

1.05 QUALITY ASSURANCE

- A. Standards: In the event that provisions of codes, regulations, safety orders, Contract Documents, referenced manufacturer's specifications, manufacturer's instructions, industry standards, and the like, are in conflict, the more restrictive and higher quality shall govern.
- B. Installer: Installer or Installers engaged by Contractor must have a minimum of five (5) years of documented and properly authenticated successful experience of specialization in the installation of the items or systems, or both, specified herein.
- C. Manufacturer: Contractor shall obtain products from nationally and industry recognized Manufacturer with five (5) years minimum, of immediately recent, continuous, documented and properly authenticated successful experience of specialization in the manufacture of the product specified herein.
- D. State Personnel Training: Provide proper training for maintenance and operations, including emergency procedures, and the like, as directed by District.
- E. Units: Shall be sound and free of defects, and shall not include any damage or defect that will impair the safety, installation, performance, or the durability of the entire Office Trailer and appurtenant systems.

1.06 REGULATORY REQUIREMENTS

- A. General: Work shall be executed in accordance with applicable Codes, Regulations, Statutes, Enactments, Rulings, Laws, each authority having jurisdiction, and including, but not limited to, Regulatory Requirements specified herein.
- B. California Building Standards Code ("CBSC").
- C. California Code of Regulations, Title 25, Chapter 3, Sub Chapter 2, Article 3 ("CCR").
- D. Coach Insignia: Trailer shall display California Commercial Coach Insignia; such insignia shall be deemed to show that the trailer is in accordance with the Construction and Fire Safety requirements of CCR.

PART 2 – PRODUCTS

2.01 FIELD OFFICE TRAILER

- A. General: Provide entire Field Office Trailer of type, function, operation, capacity, size, complete with controls, safety devices, accessories, and the like, for proper and durable installation. Partitions, walls, ceiling, and other interior and exterior surfaces shall be appropriately finished, including, but not limited to, trim, painting, wall base, floor

covering, suspended or similar ceiling, and the like; provide systems, components, units, nuts, bolts, screws, anchoring devices, fastening devices, washers, accessories, adhesives, sealants, and other items of type, grade, and class required for the particular use, not identified but required for a complete, weather-tight, appropriately operating, and finished installation.

B. Manufacturers: General Electric Capital Modular Space; The Space Place, Inc.; or equal.

C. Program: Provide a wheel-mounted trailer with stairs, landings, platforms, ramps, and the like, in good, proper, safe, clean, and properly finished condition; with proper heavy duty locks, and other proper and effective security at all doors, windows, and the like. Trailer shall be maintained in good, proper, safe, clean, and properly finished condition during the Contract.

- (1) Nominal Trailer Size (12 ft x 40 ft): four hundred eighty (480) square feet, minimum.
- (2) Stairs, Platform: Properly finished stairs, platforms, and ramps.
- (3) Doors: Two (2), three (3) foot wide exterior doors with locksets; finished ramp, steps, and entry platform at each exterior door.
- (4) Private offices: Two (2) 12 x 10 ft offices with door.
- (5) Keys: Submit three (3) keys for each door, window, furniture unit, and the like. There shall be no other key copies or originals available; each key shall be identified for District; and shall be labeled, or tagged or both, as directed by District.
- (6) HVAC: Provide package unit for heating and cooling.
- (7) Lighting: Sixty-five (65) foot-candles illumination minimum at any point, at thirty (30) inches above finished floor throughout from fluorescent light source, exclusively, or as directed by District.
- (8) Electrical Outlets: One (1) duplex outlet evenly spaced every twelve (12) linear horizontal feet of wall face, and electrical service ready for use. Minimum one receptacle at each wall.

2.02 ADDITIONAL ITEMS

A. Furniture and Equipment: Provide in the space located to effect efficient and logical use.

- (1) Plan Table: One (1) plan table: thirty-six (36) inches deep by seventy-two (72) inches wide by forty-two (42) inches high; adjustable; wood or steel; with lockable plan and pencil drawers.
- (2) Drafting Stool: One (1) drafting stool; swiveling; steel; padded; adjustable; with footrest and casters.
- (3) Plan Rack: One (1) wheel mounted plan rack.
- (4) Waste Baskets: One (1) large waste basket.

- (5) Portable Toilets: One (1); each shall include a urinal; each unit shall be a properly enclosed chemical unit conforming to ANSI Z4.3.
 - (a) Location: As directed by District.
 - (b) Maintenance: Maintain each unit and surrounding areas in a clean, hygienic and orderly manner, at all time. Empty, clean, and sanitize each unit each day at a location and time as directed by District.
 - (c) Removal: Relocate, or remove from the site, each Portable Toilet. Upon such directive by District, the Contractor shall forthwith relocate or remove each Portable Toilet and submit the affected areas to a condition which existed prior to the installation of each Portable Toilet, within three (3) calendar days, or as directed by District in writing, at no cost to District.

2.03 UTILITY AND SERVICES

- A. Electrical Service: Provide all proper connections for service for the duration of the Work.

2.04 FINISHES

- A. General: Manufacturer standard finish system over surfaces properly cleaned, pretreated, and prepared to obtain proper bond; all visible surfaces shall be coated.
- B. Finish: Color as selected by District from manufacturer standard palette.

PART 3 – EXECUTION

3.01 INSTALLATION

- A. General: Properly prepare area and affected items to receive the Work. Set Work accurately in location, alignment, and elevation; rigidly, securely, and firmly anchor to appropriate structure; install plumb, straight, square, level, true, without racking, rigidly anchored to proper solid blocking, substrate, and the like; provide appropriate type and quantity of reinforcements, fasteners, adhesives, self-adhesive and other tapes; lubricants, coatings, accessories, and the like, as required for a complete, structurally rigid, stable, sound, and appropriately finished installation, in accordance with manufacturer's published instructions, and as indicated. The more restrictive and higher quality requirement shall govern. Moving parts shall be properly secured, without binding, looseness, noise, and the like.
- B. Installation: Install in accordance with 25 CCR 3.2.3 and as directed by District; jack up trailer and level both ways; mount on proper concrete piers with all load off wheels; provide required tie down and accessories per Section 4368 of referenced CCR, and as directed by District.
- C. Rejected Work: Work, materials, unit, items, systems, and the like, not accepted by District shall be deemed rejected, and shall forthwith be removed and replaced with proper and new Work, materials, unit, items, systems, and the like at no cost to District.
- D. Standard: Comply with manufacturer's published instructions, or with instructions as shown or indicated; the more restrictive and higher quality requirement shall govern.

- E. Location: As directed by District.
- F. Fire Resistance: Construct and install in accordance with UL requirements.
- G. Maintenance: Contractor shall maintain trailer and adjacent areas in a safe, clean and hygienic condition throughout the duration of the Work, and as directed by District. Properly repair or replace furniture or other items, as directed by District. Properly remove unsafe, damaged, or broken furniture, or similar items, and replace with safe and proper items. Contractor shall pay cost of all services, repair, and maintenance, or replacement of each item.
- H. Janitorial Service: Provide professional janitorial services, including, but not limited to, trash, waste paper baskets, fill paper dispensers; clean and dust all furniture, files, and the like; sweep and mop resilient and similar flooring; and vacuum carpeting and similar flooring.
 - (1) Frequency: One (1) time per week, minimum.
- I. Removal: Properly remove the Office Trailer and contents from the Site upon completion of the Contract, or as directed by District in writing. Forthwith properly patch and repair affected areas; replace damaged items with new items. Carefully and properly inventory, clean, pack, store, and protect District property; submit District property to District at a date, time and location as directed by District.

END OF DOCUMENT

DOCUMENT 01 64 00

OWNER-FURNISHED PRODUCTS

PART 1 – GENERAL

1.01 RELATED DOCUMENTS AND PROVISIONS

All Contract Documents should be reviewed for applicable provisions related to the provisions in this document, including without limitation:

- A. General Conditions;
- B. Special Conditions; and
- C. Materials and Equipment.

1.02 SECTION INCLUDES

- A. Requirements for the following:
 - (1) Installing Owner-furnished materials and equipment.
 - (2) Providing necessary utilities, connections and rough-ins.

1.03 DEFINITIONS

- A. Owner: District, who is providing/furnishing materials and equipment.
- B. Installing Contractor: Contractor, who is installing the materials and equipment furnished by the Owner.

1.04 PRODUCT DELIVERY, STORAGE, AND HANDLING

- A. Receive, store and handle products in accordance with the manufacturer's instructions.
- B. Protect equipment items as required to prevent damage during storage and construction.

PART 2 – PRODUCTS

2.01 GENERAL PRODUCT REQUIREMENTS

- A. Installing Contractor's Responsibilities:
 - (1) Verify mounting and utility requirements for Owner-furnished materials and equipment items.
 - (2) Provide mounting and utility rough in for all items where required.
 - (a) Rough in locations, sizes, capacities, and similar type items shall be as indicated and required by product manufacturer.
- B. Owner and Installing Contractor(s) Responsibilities:

- (1) Owner-Furnished/Contractor Installed ("OFCI"): Furnished by the Owner; installed by the Installing Contractor.
 - (a) General: Owner and Installing Contractor(s) will coordinate deliveries of materials and equipment to coincide with the construction schedule.
 - (b) Owner will furnish specified materials and equipment delivered to the site. Owner/vendor's representative shall be present on Site at the time of delivery to comply with the contract requirements and Specifications Section 01 43 00, Materials and Equipment, Article 1.04.
 - (c) The Owner furnishing specified materials and equipment is responsible to provide manufacturer guarantees as required by the Contract to the Installing Contractor.
 - (d) The Installing Contractor shall:
 - 1) Review, verify and accept the approved manufacturer's submittal/Shop Drawings for all materials and equipment required to be installed by the Installer Contractor and furnished by the Owner. Any discrepancies, including but not limited to possible space conflicts, should be brought to the attention of the Project Manager and/or Program Manager, if applicable.
 - 2) Coordinate timely delivery. Installing Contractor shall receive materials and equipment at Site when delivered and give written receipt at time of delivery, noting visible defects or omissions; if such declaration is not given, the Installing Contractor shall assume responsibility for such defects and omissions. Contractor shall provide equipment to off-load Owner Furnished items upon delivery.
 - 3) Store materials and equipment until ready for installation and protect from loss and damage. Installing Contractor is responsible for providing adequate storage space.
 - 4) Coordinate with other bid package contractors and field measurement to ensure complete installation.
 - 5) Uncrate, assemble, and set in place.
 - 6) Provide adequate supports.
 - 7) Install materials and equipment in accordance with manufacturer's recommendations, instructions, and Shop Drawings, supply labor and material required, and make mechanical, plumbing, and electrical connections required to operate equipment.
 - 8) Be certified by equipment manufacturer for installation of the specific equipment supplied by the Owner.

- 9) Provide anchorage and/or bracing as required for seismic restraint per Title 24, UBC Standard 27-11 and all other applicable codes.
- 10) Provide the contract-required warranty and guarantee for all work, materials and equipment, and installation upon its completion and acceptance by the District. Guarantee includes all costs associated with the removal, shipping to and from the Site, and re-installation of any equipment found to be defective.

C. Compatibility with Space and Service Requirements:

- (1) Equipment items shall be compatible with space limitations indicated and as shown on the Contract Documents and specified in other sections of the Specifications.
- (2) Modifications to equipment items required to conform to space limitations specified for rough in shall not cause additional cost to the District.

D. Manufacturer's printed descriptions, specifications, and instructions shall govern the Work unless specifically indicated or specified otherwise.

2.02 OWNER FURNISHED/CONTRACTOR INSTALLED MATERIALS AND EQUIPMENT

- A. Classroom projectors & projector mounts for the modular buildings
- B. Foundation embeds for the modular buildings
- C. Lunch Shelter

PART 3 – EXECUTION

3.01 INSTALLATION

- A. Install equipment items in accordance with the manufacturer's instructions.
- B. Set equipment items securely in place, rigidly or flexibly mounted in accordance with manufacturers' directions.
- C. Make electrical and mechanical connections as indicated and required.
- D. Touch-up and restore damaged or defaced finishes to the Owner's satisfaction.

3.02 CLEANING AND PROTECTION

- A. Repair or replace items not acceptable to the Architect or Owner.
- B. Upon completion of installation, clean equipment items in accordance with manufacturer's recommendations, and protect from damage until final acceptance of the Work by the Owner.

END OF DOCUMENT

RECORD DOCUMENTS**PART 1 – GENERAL****1.01 RELATED DOCUMENTS**

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and other Division 01 Specification Sections, apply to this Section.

1.02 SUMMARY

- A. Section includes administrative and procedural requirements for project record documents, including the following:

DOCUMENT	PROVIDED BY	DUE
As-Built Drawings, Specifications and Shop Drawings	Contractor	Substantial Completion
Record Drawings	Architect / Engineer	30 days following Substantial Completion
Record Specifications	Architect / Engineer	30 days following Substantial Completion
Record Product Data	Contractor	Substantial Completion
Record Test Certificates	Contractor	Substantial Completion

- B. Related Requirements:

1. Section 01 77 00 "Contract Closeout and Final Cleaning" for general closeout procedures.
2. Section 01 78 23 "Operation and Maintenance Data" for operation and maintenance manual requirements.

1.03 QUALITY CONTROL REQUIREMENTS

- A. Print legibly and clearly relevant construction changes/data on current print of Contract Drawings and Shop Drawings to a high standard of quality to create "As-Built Documents." Accurately record information in an understandable drawing technique. Require individual or entity who obtained record data to prepare the marked-up record prints.
- B. Contractor shall maintain at its project site office a full set of all As-Built Documents showing as-built design clarifications and construction progress. Post changes and revisions to documents as they occur; do not wait until end of Project. District will review monthly As-Built Drawings and Specifications. In the event record documents are not maintained, District may withhold monthly

payment.

- C. Record additional construction information on As-Built Documents.
- D. All Project record document submittals shall be reviewed and approved by Architect prior to submittal to District.

1.04 SUBMITTALS

- A. Deliver As-Built Record Documents to District in accordance with the schedule in Paragraph 1.02(A) of this Section. Accompany submittal with transmittal letter containing date, project title and Bid number, Contractor's name and address, title and number of each record document, certification that each document as submitted is complete and accurate, and signature of Contractor, or its authorized representative.
- B. Contractor shall provide (1) hard copy set and one (1) digital in PDF format on CD of all documents required by this Section, unless noted otherwise to Architect/Engineer for development of Record Drawings, organized and bound into sets as indicated in Paragraph 1.04.D. Scanning of the red-lined hard copy originals is permitted. PDF file must be bookmarked with appropriate drawing labels corresponding to the sheet and specifications section.
- C. Architect and design team will update the electronic contract drawing files with the information contained in the original hard copy red-lined as-built sets. These files will be considered "**Record Drawings**".
- D. Organize hard copies into sets. Bind and label sets for District's continued use. Bind each set with durable-paper cover sheets. Include appropriate identification, including titles, dates, and other information on the cover sheets.
- E. If Contractor uses AutoCAD or Revit, organize AutoCAD or Revit with Linked AutoCAD information into separate electronic files that correspond to each sheet of the Contract Drawings or Shop Drawings. Name each file with the sheet identification. Include identification in each AutoCAD or Revit with Linked AutoCAD file.

PART 2 – PRODUCTS

2.01 AS-BUILT AND RECORD DRAWINGS

- A. As-Built Drawings: Maintain one clean, undamaged set of blue- or black-line white prints of the Contract Drawings and Shop Drawings.
 - 1. Preparation: Mark As-Built Drawings to show the actual installation where installation varies from that shown originally. Require individual or entity who obtained record data, whether individual or entity is installer, subcontractor, or similar entity, to prepare the mark-up records that shall be considered "**As-Built Drawings**".
 - a. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later.
 - b. Accurately record information in an understandable drawing technique.
 - c. Scanning of the red-lined hard copy originals is permitted.
 - 2. Content: Mark record prints to show actual installation where installation varies from that shown originally. Types of items requiring marking include, but are not limited to, the following:

- a. Dimensional changes to Drawings.
 - b. Revisions to details shown on Drawings.
 - c. Depths of foundations below first floor. Indicate foundation elevations relative to first floor elevation.
 - d. Horizontal locations and vertical depths of underground utilities and appurtenances, including both site utilities and those under buildings and structures, referenced to permanent surface improvements.
 - e. Horizontal and vertical locations of internal utilities and appurtenances, concealed in construction, referenced to visible, accessible, permanent features of the buildings or structures.
 - f. Revisions to routing of piping and conduits.
 - g. Revisions to electrical circuitry.
 - h. Actual equipment locations.
 - i. Duct size and routing.
 - j. Changes made by Change Order or Construction Change Directive, Architect's Supplemental Instructions or Bulletins.
 - k. Changes made following Architect's written orders and pertinent graphic and written responses to requests for information (RFI).
 - l. Details not on the original Contract Drawings or Shop Drawings.
 - m. Field records for variable and concealed conditions.
 - n. Record information on the Work that is shown only schematically.
3. Mark the Contract Drawings or Shop Drawings, whichever is most capable of showing actual physical conditions, completely and accurately. If Shop Drawings are marked, show cross-reference on the Contract Drawings.
 4. Mark record sets with erasable, red-colored pencil. Use other colors to distinguish between changes for different categories of the Work at the same location. Mark important additional information that was either shown schematically or omitted from original Drawings. Mark new information that is important to District but was not shown on Contract Drawings or Shop Drawings.
 5. Give particular attention to information on concealed elements that would be difficult to identify or measure and record later. Do not permanently conceal any Work until required information has been recorded.
 6. Note Construction Change Directive numbers, alternate numbers, Change Order numbers, request for information (RFI) numbers, and similar identification, where applicable.
 7. Identify and date each drawing; include the printed designation "AS-BUILT DRAWINGS" in 2 inch high letters in a prominent location on each drawing.
 8. Provide identification as follows:

- a. Project name.
- b. Date.
- c. Designation "AS-BUILT DRAWINGS."
- d. Name of Architect.
- e. Name of Contractor.

2.02. RECORD SPECIFICATIONS

- A. Contractor shall mark specifications to indicate actual product installation where installation varies from that indicated in the Contract Documents or Shop Drawings. Contractor will include notations in the table of contents to allow easy identification of sections that have been amended. Architect will update its electronic file from information contained in Contractor's red-lined original hard copy as-built set.
- B. Give particular attention to information on concealed products and installations that would be difficult to identify and record later.
- C. Mark copy with the proprietary name and model number of products, materials, and equipment furnished, including substitutions and product options selected.
- D. Record the name of the manufacturer, supplier, installer, and other information necessary to provide a record of selections made.
- E. Note Construction Work Directive numbers, alternate numbers, Change Order numbers, request for information (RFI) numbers, and similar identification, where applicable.
- F. Use pen and black ink so marks will reproduce clearly.
- G. Scanning of the marked up hard copy originals is acceptable.

2.03 RECORD PRODUCT DATA

- A. Preparation: Mark Product Data to indicate the actual product installation where installation varies substantially from that indicated in Product Data submittal.
- B. Give particular attention to information on concealed products and installations that cannot be readily identified and recorded later.
- C. Include significant changes in the product delivered to Project site and changes in manufacturer's written instructions for installation.
- D. Note related Change Orders, Contract Drawings where applicable.
- E. Use pen and black ink so marks will reproduce clearly.
- F. Scanning of the marked up hard copy originals is acceptable.
- G. Submit one (1) electronic copy of all product submittals in PDF format to District on CD, DVD, or other storage device. Hard copies are not required.

2.04 RECORD TEST CERTIFICATES

- A. Contractor shall bind, in a separate binder, record test certificates and identify each, ready for continued use and reference. Digital set shall be an annotated PDF electronic file. Scanning of the hard copy originals is

acceptable.

- B. Assemble test certificates required for record keeping and submittal in connection with actual performance of the Work.
- C. Categories of requirements resulting in test certification records include, but are not limited to the following:
 - 1. Equipment start-up reports.
 - 2. Air and Hydronic Test and Balance reports.
 - 3. Pipe Pressure test reports.
 - 4. Pipe Cleaning reports.
 - 5. Duct Pressure test reports.
 - 6. Back Flow Prevention device certifications.
 - 7. Domestic Water Chlorination reports.
 - 8. Electrical Acceptance test reports.

PART 3 - EXECUTION

3.01 RECORDING AND MAINTENANCE

- A. Recording: Maintain one copy of each submittal during the construction period for record document purposes. Post changes and modifications to As-Built Documents as they occur, but within 24 hours maximum; do not wait until the end of Project.
- B. Maintenance of Record Documents and Samples: Store record documents and Samples in the field office apart from the Contract Documents used for construction. Do not use record documents for construction purposes. Maintain record documents in good order legible condition, and in a clean, dry, legible condition, protected from deterioration and loss. Provide access to record documents for District's and Architect's reference during normal working hours.
 - 1. Maintain one (1) set of all record documents at the Project site for the entire duration of construction.
 - 2. Clearly label each document or item "AS-BUILT DRAWING," "PROJECT RECORD SAMPLE," "AS-BUILT SPECIFICATIONS," or similar as appropriate and applicable.
- C. Do not conceal Work requiring verification for record documents until such information has been verified and recorded.
- D. Certification: Within the title block or immediately adjacent, on each drawing sheet of both the original mark-up record drawings and the front covers of record specifications, include the following statement signed by Contractor:

"I certify to the best of my knowledge, information and belief that the information recorded on this drawing/specification is a complete and accurate record of the final Work of this Contract."

Name (printed)

Title

Signature

Date

END OF DOCUMENT