



STATE OF CALIFORNIA
Department of General Services - Office of Procurement

PURCHASE ORDER

Purchase Order No. **62235** Rev. **6/30/2008** Date

Form GSOP 1-PIN (04/98)

Supplier No. 811917	Solicitation No. 56882	Delivery Date 120 Days ARC	FOB Point Destination	Invoice Terms
S h T i o p ATASCADERO STATE HOSPITAL 10333 EL CAMINO REAL ATASCADERO, CA 93422-5808 Attn: RECEIVING DOCK		C h a T r o g e ATASCADERO STATE HOSPITAL PO BOX 7002 ATASCADERO CA 93423 ATTN: ACCOUNTS PAYABLE		
Agency Billing 49050	Agency Purchase Estimate Various	Purchase Estimate Various	Revision	
Agency Contact DARIA CARNES		Phone 805-468-3006	Date Received	

PAC-VAN
2801 E. BRUNDAGE LN.
BAKERSFIELD, CA 93307
Attn: TOM SVARE

Phone: 661-324-0060

Item No.	Quantity	Unit	Commodity Code	Description	Unit Price	Extension
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THE GENERAL PROVISIONS FOR NON-IT COMMODITIES ARE HEREBY INCORPORATED BY REFERENCE. THESE GENERAL PROVISIONS CAN BE OBTAINED BY PHONING (916) 375-4400 OR BY ACCESSING OUR WEBSITE AT:

www.documents.dgs.ca.gov/pd/modellang/GPhonIT0407.pdf

THE FOLLOWING INFORMATION IS PROVIDED FOR AGENCY USE ONLY:

PRIME CONTRACTOR: NS

1	3	EA	5410-999-0008-7	BUILDING MODULAR (AS DESCRIBED)	147,877.0000	443,631.00
* Agency Ref Nbr: 61501002						

Modular Building 48' X 60' per attached Specification #5410-08BS-001R1 of (13) thirteen pages dated May 2008.

Option of installation cost to install at the same bid price for up to 180 days from award of purchase order.

Non award factor, cost for installation for each Modular Building.

"Do not include in bid total price"

\$ 26,770 Each

Ramp, Skirt, Tie/DNS
Set Mobilize

Brand: SILVER CREEK

Model: 48 X 60

2	2	EA	5410-123-3633-0	BUILDING PREFABRICATED MODULE	130,197.0000	260,394.00
* Agency Ref Nbr: 61501001						

Modular Building 36' X 50' per attached

Sales and/or use tax to be extra unless noted above

Buyer GUS QUINTERO	Phone 916-375-4499	BOC Number
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STATE OF CALIFORNIA

Department of General Services - Office of Procurement

PURCHASE ORDER CONTINUATION

Form GSOP 2-PIN (04/98)

<i>Purchase Order No.</i> 62235	<i>Revision</i>	<i>Date</i> 6/30/2008	<i>Supplier No.</i> 811917	<i>Supplier Name</i> PAC-VAN
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<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
				Specification #5410-08BS-001R1 of (13) thirteen pages dated May 2008. "Installation to be included in the total bid price" Cost for installation for each modular building has been included in each building and in the total cost. \$ <u>20,070.00</u> Brand: <u>SILVER CREEK</u> Model: <u>36 X 50</u>		
3	1	EA	5410-123-3633-0	BUILDING PREFABRICATED MODULE	81,977.0000	81,977.00
				* Agency Ref Nbr: 61501001 Modular Building 24' X 60' per attached Specification #5410-08BS-001R1 of (13) thirteen pages dated May 2008. Option of installation cost to install at the same bid price for up to 180 days from award of purchase order. Non award factor, cost for installation: <u>"Do not include in bid total price"</u> \$ <u>17,870.00</u> Brand: <u>SILVER CREEK</u> Model: <u>24 X 60</u>		
4	1	EA	5410-123-3633-0	BUILDING PREFABRICATED MODULE	95,213.0000	95,213.00
				* Agency Ref Nbr: 61501001 Modular Building 24' X 50' per attached Specification #5410-08BS-001R1 of (13) thirteen pages dated May 2008. "Installation to be included in the total bid price". Cost for installation for each modular building has been included in each building and in the total cost. \$ <u>15,876.00</u> Brand: <u>SILVER CREEK</u> Model: <u>24 X 50</u>		

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<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
Total Value:						881,215.00
<p><u>FOB DESTINATION:</u> For the purpose of this order, only F.O.B. Destination will be accepted.</p> <p><u>INSTALLATION:</u> Installation shall be done in accordance to the attached State of California Bid Specification for Modular Buildings, Atascadero State Hospital, #5410-08BS-001R1 of (13) thirteen pages, dated May 2008.</p> <p><u>DELIVERY:</u> Supplier/Contractor shall coordinate delivery with the agency program manager/or designee. A notice of at least 48 hours shall be given prior to delivery. All deliveries shall be made between the hours of 7:30 A.M. and 4:00 P.M. Deliver materials to the job site in new, dry, unopened, and well-marked containers showing product and manufacturer's name. Buildings quoted under this Solicitation shall not be constructed prior to the awarding of a contract and approval of plans by the State. The intent of this solicitation is to require that all buildings quoted and listed on the bid document will be constructed <u>after award</u> by a manufacture commercial coaches. These buildings must be new and unused. Any exceptions to either the scope of work, building specifications or building dimensions or floor plans will be cause for your bid to be declared non-responsive after the bid due date.</p> <p><u>PERFORMANCE BONDS:</u> IRREVOCABLE LETTER OF CREDIT, PERFORMANCE BOND, OR A CERTIFICATE OF DEPOSIT. IF REQUESTED, THE SECURITY DOCUMENT WILL BE REQUIRED WITHIN 21 DAYS AFTER NOTIFICATION OF CONTRACT (PURCHASE ORDER) AWARD. FAILURE TO SUBMIT THE REQUIRED DOCUMENT WITHIN 21 DAYS WILL CONSTITUTE A BREACH AND/OR DEFAULT IN ACCORDANCE WITH PARAGRAPH TWENTY SIX (26) OF THE BID GENERAL PROVISIONS ENTITLED "RIGHTS AND REMEDIES OF THE STATE FOR DEFAULT". BECAUSE OF THE POTENTIAL CONSEQUENCES WHICH MIGHT RESULT IF THE SUCCESSFUL BIDDER IS UNABLE TO FURNISH EITHER OF THE THREE SPECIFIED DOCUMENTS, THE BIDDERS SHOULD TAKE THE NECESSARY STEPS, <u>PRIOR TO SUBMITTAL</u> OF THEIR BIDS TO ENSURE THAT IF AWARDED THE CONTRACT (PURCHASE ORDER), THEY WILL BE ABLE TO COMPLY WITH THIS REQUIREMENT.</p> <p><u>ELECTRICAL AND MECHANICAL EQUIPMENT:</u> All electrical and mechanical equipment furnished shall comply with the California Administrative Code; Title 8 (Industrial Safety Orders), Title 24 (State Building Standards Law) and Title 17 (Public Health). All electrical equipment furnished shall be grounded, with any exceptions only as approved in the referenced applicable titles.</p>						

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<i>Item No.</i>	<i>Quantity</i>	<i>Unit</i>	<i>Commodity Code</i>	<i>Description</i>	<i>Unit Price</i>	<i>Extension</i>
<p><u>WARRANTY:</u> Equipment shall operate satisfactorily and have a minimum warranty period of one year from date of acceptance to the State. Vendor shall bear all material, labor and transportation costs for repair of defects and failures occurring within the warranty period.</p> <p>This purchase order is being awarded on September 26, 2008 pursuant to Government Code Section 13332.17. Any encumbrances made pursuant to this purchase order shall be construed to have been made on the last day of the preceding fiscal year.</p> <p><u>CHANGE ORDERS:</u> This Purchase Order may be amended, modified, or terminated at any time by mutual agreement of the parties in writing. Change orders amending, modifying or terminating the Purchase Order, including any modifications of the compensation payable, may be issued only by the State Procurement Officer. All such change orders shall be in writing and issued only upon written concurrence of the supplier. Termination, as that term is used in this section, does not include termination for default of the supplier.</p> <p>This Purchase order has been registered into the state contact and procurement registration system (https://www.scprs.dgs.ca.gov/). The registration number is 46000908334889.</p>						



STATE OF CALIFORNIA

Bid Specification

Modular Buildings Atascadero State Hospital

1.0 SCOPE:

This specification establishes the general requirements for seven (7) new prefabricated portable buildings. The buildings shall be designed as Office Buildings (reference Page 10 through 13 for layout of buildings). The 24'x50' building detailed on Drawing 4.0, page 13, and the two 36'x50' buildings in which one is detailed on Drawing 2.0, page 11 shall be set in place, blocked, leveled, and tied down by the contractor, at the Atascadero State Hospital, 10333 El Camino Real, Atascadero, CA. All costs, including any fees, permits, transportation and installation at the site, shall be included in the bid price. All of the provisions of this specification shall apply except as indicated in the Invitation for Bid (IFB). These buildings shall be complete and ready to occupy to the extent outlined in the following detailed specifications. The remaining four (4) buildings shall be sealed weather-tight, delivered to Atascadero State Hospital, and placed on level compacted area for storage as directed by the State.

2.0 DEFINITIONS:

Approval: When the word approval appears, it shall indicate that the designated agency has reviewed the specified plans and/or materials and has certified compliance with these specifications.

Architect: An architect licensed by the State of California.

Contractor: The Company responsible for performance on the purchase order issued by the State - may be the same as the manufacturer.

Engineer: An engineer licensed by the State of California.

Manufacturer: The Company who manufactures the portable building. The Manufacture may be the same as the contractor.

Owner: California Department of Mental Health, State of California

PD: Procurement Division, Department of General Services, State of California.

3.0 SPECIFICATION AND STANDARDS:

Specifications and standards referenced in this document in effect on the opening of the Invitation for Bid form a part of this specification where referenced.

4.0 REQUIREMENTS:

4.1 Codes, Standards, Laws, Regulations:

This winning bidder shall provide buildings which meets or exceed all requirements as implemented by State of California Housing & Community Development for manufactured housing and is accessible under the American Disabilities Act.

All work, including equipment, materials, installation, and application shall conform to the manufacturer's instructions, Title 8 Industrial Safety Orders, EPA Rules and Regulations, Title 25 Building Standards, and all applicable State, and Federal codes, laws, and regulations according to the latest editions. The buildings shall meet accessibility requirements per the American with Disabilities Act (ADA) federal requirements as well as State of California ADA requirements. The buildings shall meet all County Fire Code and County Ordinances. The structure shall include fire resistive construction as part of the design and in order to meet local, county, and state fire codes.

and standards. The buildings and its components shall be pre-inspected, pre-approved utilizing CA DOH standards. HCD Standards apply (1991 UBC, UMC, UPC, 1993 NEC, and Title 25).

The Contractor shall conform with all safety requirements set forth by regulatory agencies applicable to the construction industry and manufacturer's printed instructions and appropriate technical bulletins and manuals. The Contractor shall provide (when necessary) and require the use of personal protective lifesaving equipment for persons working in or about the project site.

4.2 Coordination of Work and On-Site Inspection:

4.2.1 It shall be the Contractor's responsibility to make all necessary arrangements with the state agency's authorized representative for access to grounds. The representative's name and address is available through the state agency. This contact shall be made at least 48 hours prior to delivery of any portable buildings. In the event buildings are delivered to any site that is not in condition to receive buildings, the contractor shall be responsible for all costs incurred including, but not limited to, inspector's time.

4.2.2 The site inspector employed by the Atascadero State Hospital will do the on-site inspection. All work, which the manufacturer or his subcontractors perform at the site, will be subject to the inspection by the site inspector. The manufacturer shall furnish the site inspector with a full set of approved plans and such information as may be necessary to keep him fully informed as to progress of work and dates when site work will occur.

4.3 Materials and Workmanship:

4.3.1 All workmen shall be skilled and qualified for the work, which they perform. All materials used, unless otherwise specified, shall be new and of the types and grades specified. The Contractor shall, if requested, furnish evidence satisfactory to the state agency that such is the case.

4.3.2 Workmanship shall be equal or better in quality to that required by the construction trades for a finished product. A quality control supervisor, designated by the manufacturer, shall review all work in progress and shall review the finished building prior to final inspection to assure it is complete and correct. The quality control supervisor shall have the authority to have materials replaced and work redone in order to correct faulty materials or workmanship.

Technical Specifications

4.4 General:

4.4.1 Building shall be permanently identified with an imprinted metal identification tag with the following information: (1) Design Wind Load, and (2) Design Roof Live Load.

4.4.2 Modular building shall be capable of resisting all vertical and lateral loads during transportation and relocation.

4.4.3 Building shall be sufficiently rigid to be jacked up at the front and back corners for relocation without damage or the modular building shall have lifting lugs at front and back located as required so that the modular may be jacked up for relocation on one piece without additional supports of any type. Evidence of excessive bowing during the installation of the modular building which, in the opinion of

the Agency Project Manager and/or designee, causes excessive working at any joint or compromises the structural integrity of the modular building will be sufficient reason for rejection of the modular.

- 4.4.4 Any modular building placed in storage for ANY length of time (either in storage yard or on site) shall be closed up in a secure and watertight manner protecting them from all damage. The 24'x50' modular building detailed on Drawing 4.0, page 13 and the two 36'x50' modular buildings in which one is detailed on Drawing 2.0, page 11 shall be maintained in this manner until State acceptance of installation. The remaining four (4) buildings shall be maintained in this manner and delivered to the State for long term storage.

Buildings placed in long term storage shall be lot set with all four (4) corners of each building supported by pier and pad systems described in section 4.6.

- 4.4.5 Modular and foundations shall be properly seismic engineered and mounted for the installation site. All bracing and tie downs shall be supplied and installed by Contractor.

- 4.4.6 Building including foundation shall be designed and secured for Seismic Zone 4. Building including foundation shall also be designed and secured to withstand 80 mph winds. All bracing and tie-downs shall be supplied and installed by contractor.

4.5 Dimensions:

Building dimensions are as follows:

Building 1: 48' x 60'	See Drawing 1.0 on Page 10
Building 2: 48' x 60'	See Drawing 1.0 on Page 10
Building 3: 48' x 60'	See Drawing 1.0 on Page 10
Building 4: 36' x 50'	See Drawing 2.0 on Page 11
Building 5: 36' x 50'	See Drawing 2.0 on Page 11
Building 6: 24' x 60'	See Drawing 3.0 on Page 12
Building 7: 24' x 50'	See Drawing 4.0 on Page 13

Linear dimensions shall be vertical trim finish line to vertical trim finish line. Fascia is not included in the calculation of the area the building occupies.

NOTE: All interior dimensions are approximate and do not factor in interior and exterior wall thicknesses.

The interior height, floor to ceilings shall be 95" minimum. The buildings shall be clear span type.

4.6 Foundations:

Building shall be set in-place in a manner that building can be transported and is not permanently affixed to the project site. The foundation shall be HCD (Housing and Community Development) appropriate for Seismic Zone 4. The foundation design shall be industry standard pier & pad engineered systems. Foundation height shall be as required by code. Contractor shall be responsible for all tie downs.

All structure provided under the modular building shall be designed and installed to meet structural loads indicated in this specification.

Pier and pad (industry standard & HCD acceptable)

4.7 Framing: Roof, Walls and Floor:

4.7.1 Wood frame construction shall meet the following minimum design details or the design requirements of the Invitation for Bid, whichever are more stringent.

Roof: Pitched Roof System, maximum practical pitch (1/4" in 12" min.)
Clear span construction (no supporting posts at center line).
Plywood Sheathing 7/16" Plywood roof sheathing or equal
Ceiling 2' x 4' suspended acoustical T-Grid Ceiling
Insulation R-19 and R-30 above beams for sound attenuation.

Walls System:

Exterior Walls

Studs 2" x 4" at 16" O.C.
2" x 6" at Plumbing Walls
Insulation R-19

Interior Walls:

Studs 2" X 4" Douglas Fir #2 at 16" O.C.

Dry Wall 1/2" Gypsum Sheathing
Waterproof Wainscot or equivalent in restrooms, to ceiling

Door and Window

Openings Double Stud/cripples No. 2 grade.
Blocking No. 3 grade.

Floor:

Joists 2" x 8", 16" O.C.
Insulation R-19
Subfloor Decking to code
Carpeting 20-oz. commercial carpeting, colors to be chosen from vendor samples
Vinyl Floor Sheet vinyl (flat lay with .6" top set base)

4.8 **Moisture Barrier:**

All weather-exposed surfaces shall have a weather-resistive barrier to protect the interior wall covering. Such barrier protection shall be equal to that provided for in U.B.C. Standard No. 17-1 for kraft waterproof building paper or U.B.C. Standard No. 32-1 for asphalt-saturated rag felt. Barrier shall be free from holes and breaks other than those created by fasteners and construction system due to attaching of the building paper, and shall be applied over studs or sheathing of all exterior walls. Such barrier shall be applied weather-board fashion, lapped not less than 2 inches at horizontal joints and not less than 6 inches at vertical joints, including corners.

4.9 **Exterior Siding:**

Exterior siding shall be Smartpanel or comparable. Each panel shall be identified with the grade-trademark of the American Plywood Association or other inspection service and shall meet the requirements of Product Standard PS 1-83. Panel thickness shall be 5/8". All edges shall be sealed with a heavy coat of high grade exterior house primer or an aluminum primer formulated for wood before installation. Color and style shall match wall and accent color approved by Agency Project Manager and/or designee.

4.10 **Roofing:**

- 4.10.1 The roofing system shall be fire retardant per U.B.C. Standards: Test results showing the roofing system will withstand the uplift of a 70 mph wind shall be submitted with the plans and specifications.
- 4.10.2 Roofing shall be .060" white EPDM over 1/2" sheathing (Reference Brand: Densdeck or approved equal).
- 4.10.3 All metal flashings shall be galvanized.
- 4.10.4 Roof gutters and downspouts of minimum 0.025 in. aluminum, 26 gage stainless steel, or 26 gage galvanized steel shall be included.

4.11 Doors and Hardware:

- 4.11.1 Door and doorways shall comply with the State Building Code.
- 4.11.2 All entrance doors shall include key locks and deadbolts with required hardware.
- 4.11.3 All exterior doors shall be minimum 16 gauge steel with minimum 16 gauge steel frame, hydraulic door closer, and all same-keyed deadbolts.
- 4.11.4 An aluminum threshold, weather-stripping, plus all hardware and fasteners required for proper installation shall be included.
- 4.11.5 Interior office doors shall be solid core wood.
- 4.11.6 Interior and exterior door jambs to be metal frame (Reference Brand: Timely – color to match interior walls ("Western White"). Color to be submitted for approval.
- 4.11.7 Interior Office doors shall be keyed separately.
- 4.11.8 Restrooms shall have dorm type lockset.
- 4.11.9 All locks shall be Reference Brand: Schlage or approved equal.
- 4.11.10 All door hardware (handles, locks, deadbolts, etc.) shall comply with ADA standards and be stainless steel finish.

4.12 Interior Walls:

The interior side of the walls shall be spray/knockdown texture, primed and painted with ivory color or similar off white with a satin sheen (exact color to be selected after award of bid).

4.13 Ceiling:

- 4.13.1 Ceiling height shall be ninety-five inch (95"), minimum, with suspended Acoustical Ceiling.
- 4.13.2 The building shall have suspended acoustical ceiling panels throughout (color: White).
- 4.13.3 Seismic hanger wires and struts shall be provided per code
- 4.13.4 Ceiling that supports recessed light fixtures or grills shall have a minimum classification of Heavy Duty per American Society for Testing and Materials (ASTM) C635 (Metal Suspension Systems for

Acoustical Tile and Lay-in Panel Ceilings). Grid shall be direct hung in strict accordance with Title 21 C.C.R. and Title 24 C.C.R.

4.13.5 Acoustical panels shall be minimum 5/8" thick x 24" x 48" square edged mineral fiberboard or vinyl-faced fiberglass lay-in panels. Panels shall have a maximum flame spread index of 24 (ASTM E84) and a minimum noise reduction coefficient of 0.65.

4.14 **Lighting:** Contractor shall furnish a fluorescent light system that includes the following features:

- A. Electronic ballast T-8 lamp.
- B. 4 Foot, four tube fixtures
- C. Flush mounted fixtures
- D. Overall illumination at desk level (30" above floor) of an average of 50 foot-candles.
- E. Clear acrylic prismatic lens.
- F. Built-in reflector housing. Must be full length and width of fixture.
- G. Switch for each room.

4.14.1 Buildings shall be equipped with exterior low energy entrance lights at each door.

4.14.2 Restrooms shall be equipped with a fan/light.

4.15 **Data/Telephone:**

Data/Telephone junction boxes with covers, 1-1/2" conduit supply and 24" X 24" phone box with handle and backboard shall be provided (location to be approved by Agency Project Manager). Data/Telephone supply conduit shall stub up above the ceiling.

4.16 **Electrical:**

4.16.1 Contractor shall provide panel schedule with electrical load calculations on drawings.

4.16.2 The modular buildings shall be equipped for 125 amps, single phase, 3-wire, grounded, fused main disconnect and load centers for control and distribution of the incoming 120/240V service.

4.16.3 Each load centers shall have room for (30) circuits with NEMA PB 1, Type 3R enclosure.

4.16.4 Wiring to be copper, with ground, of the gauge and conduit specified by the NEC for each circuit.

4.16.5 The entire electrical system shall be wired into a single main disconnect in a separate exterior service entrance pedestal – location to be west side of the building, final location to be approved by Agency Project Manager.

4.16.6 A dedicated 20 Amp receptacle shall be provided in "Copy Area".

4.16.7 110V/20Amp duplex receptacles with covers spaced approximately 7' O.C. shall be provided throughout interior of modular building (excluding closet and restroom).

4.16.8 GFCI – dedicated receptacles with covers and weatherproof, lockable GFCI exterior receptacles.

4.16.9 GFCI – dedicated receptacle shall be provided in Restroom.

4.17 **Cabinets and Counters:**

4.17.1 Restrooms shall be equipped with one (1) over-head cabinet 36" wide X 32" tall X 9" deep installed flush with ceiling, ADA accessible, and with 4" toe kick. Cabinets shall be industry standard.

4.17.2 Each 36'x50' building, as detailed on Drawing 2.0, page 11 shall be equipped with one (1) counter top of laminated vinyl with squared corners having a dimension of approximately 10' long X 34" tall X 24" deep. Standard color to be selected by Agency Project Manager and/or designee.

4.18 Painting:

4.18.1 All exposed surfaces shall be painted except interior paneling, aluminum window frames, and thresholds. Material shall be of the grade specified or equal.

4.18.2 Exterior - Wood siding and trim: Siding and trim shall be of complementing colors. Colors shall be selected after award of bid. Paint shall be flat or low sheen latex - apply one coat as primer and at least one finish coat. Prime coat shall be brushed on or sprayed and back brushed into all grooves in the siding. Prime coat shall be allowed to dry according to manufacturer's recommendation. Prime and finish coats shall be compatible and manufactured by the same company.

4.18.3 All trim not pre-coated shall be painted with two coats of semi-gloss latex over primer.

4.18.4 All metal surfaces shall be painted with two finish coats over red lead zinc chromate, or comparable rust inhibiting primer. A baked enamel finish is also acceptable. Colors will be approved by Agency Project Manager and/or designee prior to application.

4.19 Heating, Ventilating, Air Conditioning (HVAC):

4.19.1 All buildings shall be equipped with an HVAC system that is roof mounted, electric, single phase with capacity for 35 BTU/square foot of building floor area including all duct work and air distribution system, all controls, return air plenum, air filters, fire dampers and registers.

4.19.2 All work shall be in full accordance with applicable editions of American Society of Heating, Refrigerating, and Air Conditioning Engineers (ASHRAE) Standards and Sheet Metal and Air Conditioning Contractors' National Association (SMACNA) Standards.

4.19.3 The units shall be pre-charged, pre-wired, and tested. The units shall be approved and listed by Underwriters' Laboratories, Inc. Unit performance shall be certified in accordance with Air Conditioning and Refrigeration Institute Standard 210/240 for Unitary Air Source Heat Pumps, latest edition.

4.19.4 Size of units for all buildings shall be as necessary to match local weather conditions.

4.19.5 Controls shall be factory wired and located in readily accessible locations. Fan motors shall have both thermal and current sensitive overload devices. Control circuit transformer (24V) shall be factory installed. Line voltage circuit breaker or pull-disconnect with lockable cover shall be supplied on each unit and shall be easily accessible without removing any unit panels.

4.19.6 Access openings for all fan motors and compressor shall be designed so that repairs and removal of internal components can be accomplished without removing the unit from its permanent installation.

4.19.7 Fresh air intake and outdoor coil shall be protected from intrusions by a sturdy metal grating.

4.19.8 HVAC equipment cabinets shall be weatherproof constructed of galvanized steel and treated with a phosphate coating and shall be anchored against seismic forces.

4.19.9 HVAC units of buildings placed in long term storage shall be stored inside their respective buildings. Building openings created from the removal of the HVAC unit shall be covered and made moisture and weatherproof.

4.20 Ductwork:

4.20.1 Ductwork shall be constructed of galvanized sheet metal in accordance with Uniform Mechanical Code and SMACNA Low Velocity Duct Construction Manual, latest editions. All ductwork shall be insulated with minimum 1" duct noise attenuation material and shall be provided at all ductwork within 8'-0" of HVAC unit.

4.20.2 Overhead supply and return vents with plenum wall shall be provided in building.

4.21 **Non-Metallic Ductwork Option:** In accessible concealed portions of duct system; rigid 1' fiberglass or-insulated "Flexduct" with vapor barrier may be substituted for sheet metal ductwork. All ductwork within 5' of the HVAC unit and all interface connections shall be metal. Ductwork and reinforcement shall be designed for 2" static pressure. REFERENCE BRANDS: "Owens-Corning Fiberglass" Duct Board, 1" thick, and "Manville" Micro-Aire, Type 475. Non-metallic ductwork shall conform to NFPA 90-A and 90-B and SMACNA Class I rating.

4.21.1 Air handling ducts and plenum shall be sealed in accordance with SMACNA HVAC Duct Construction Standards - Metal and Flexible, latest edition.

4.22 Restroom and Plumbing:

4.22.1 For all modular buildings with restrooms, all restroom fixtures and accessories shall comply with the requirement for ADA accessibility as supplied by American Standard, Kohler, J.R. Smith, Mifab, Zurn, or approved equal.

4.22.2 Bathroom accessories shall include:

- a. toilet paper dispenser
- b. sanitary napkin disposal
- c. soap dish
- d. mirror and shelf
- e. waste receptacle (set into wall)
- f. grab bars
- g. shelve
- h. door signs

4.23 Windows:

4.23.1 Buildings shall be equipped with 72"x 48" vinyl frame, horizontal slider windows, dual glaze, and low "E". Quantity and locations as indicated in drawings. Header height shall be the same as the door. Window shall not be mounted to the exterior plywood surface. Each window shall be supplied with aluminum horizontal mini-blinds and screens.

4.23.2 Restroom windows shall be 4' wide X 2' high, vinyl frame, and horizontal slider window.

4.23.3 The windows shall be provided with screens and lockable from the inside.

4.24 Smoke Detectors:

4.24.1 Contractor shall install hard-wired smoke detectors throughout as required by code, with dedicated circuit.

4.25 Flooring:

4.25.1 For all buildings, Storage, Restroom, Data Closet, and Kitchen areas shall be equipped with vinyl flooring. All other rooms shall contain commercial carpeting. Color and style will be at the approval of Agency Project Manager and/or designee prior to delivery.

4.26 Miscellaneous:

4.26.1 Lighted exit signs shall be included as required by Uniform Building Code and State Fire Marshall.

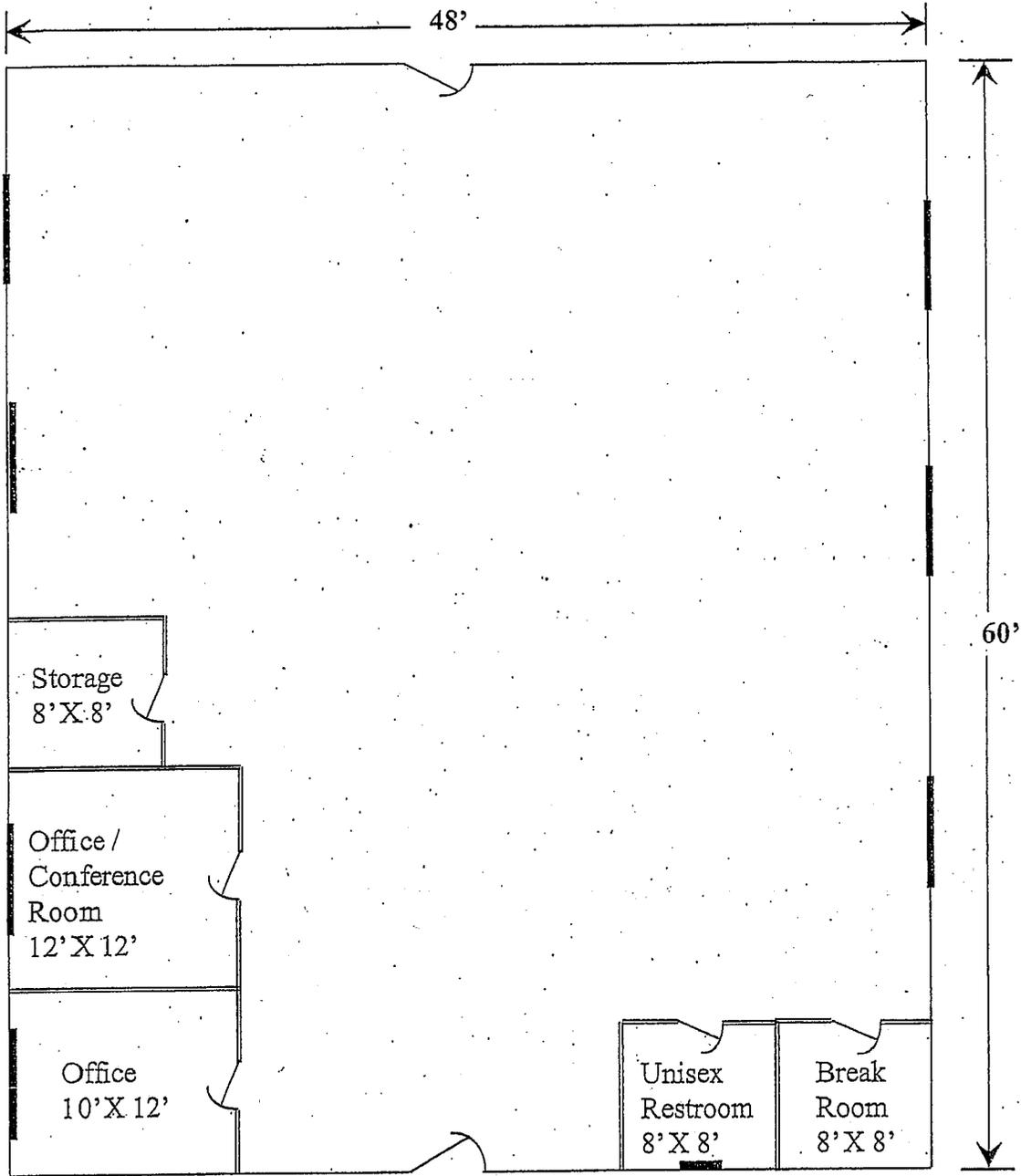
4.26.2 Full skirting shall be required and shall match building's siding. Skirting for buildings placed in long term storage shall be stored inside their respective buildings.

4.26.3 Fire extinguishers shall be included per code and as specified by State Fire Marshall.

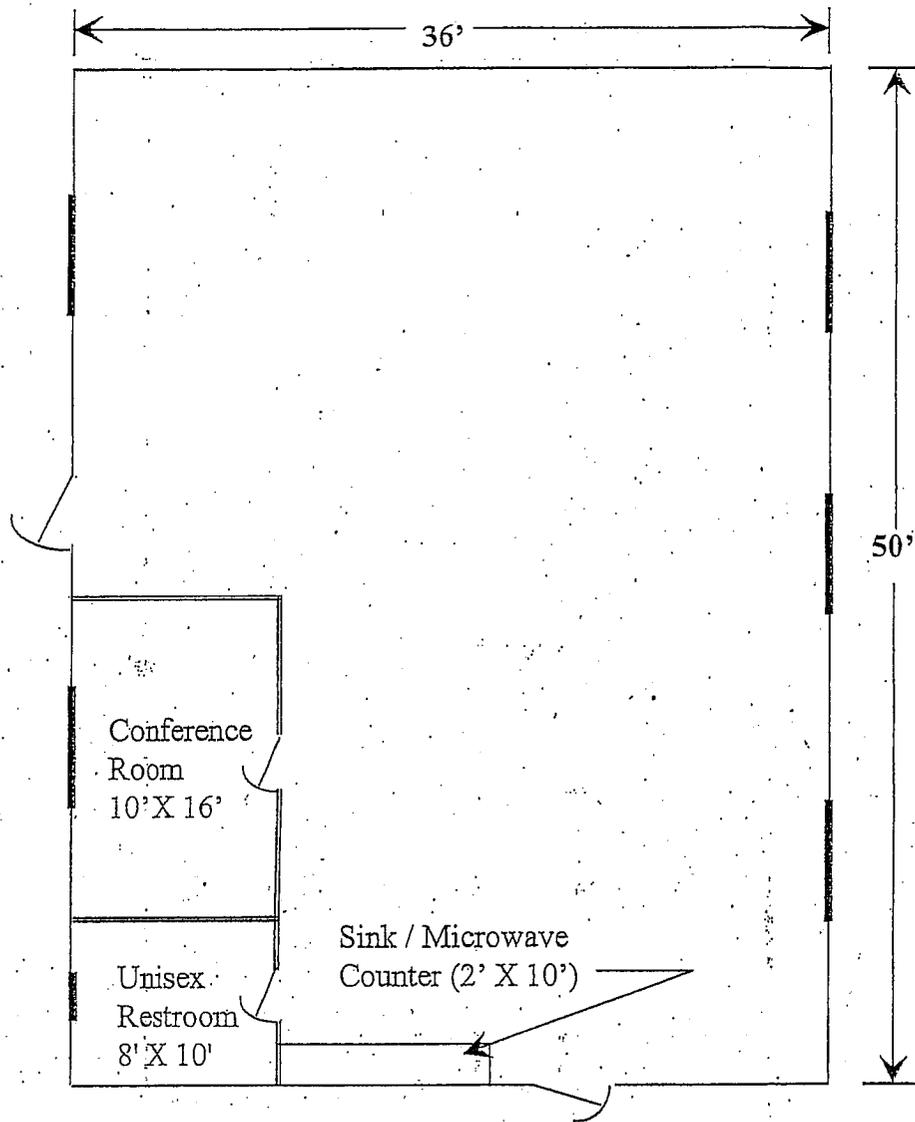
4.26.4 All buildings shall include a roof access ladder and walking pads for HVAC access.

4.26.5 ADA ramps and decks for all buildings shall be constructed of steel. ADA ramps and decks for buildings placed in long term storage shall be stored inside their respective buildings.

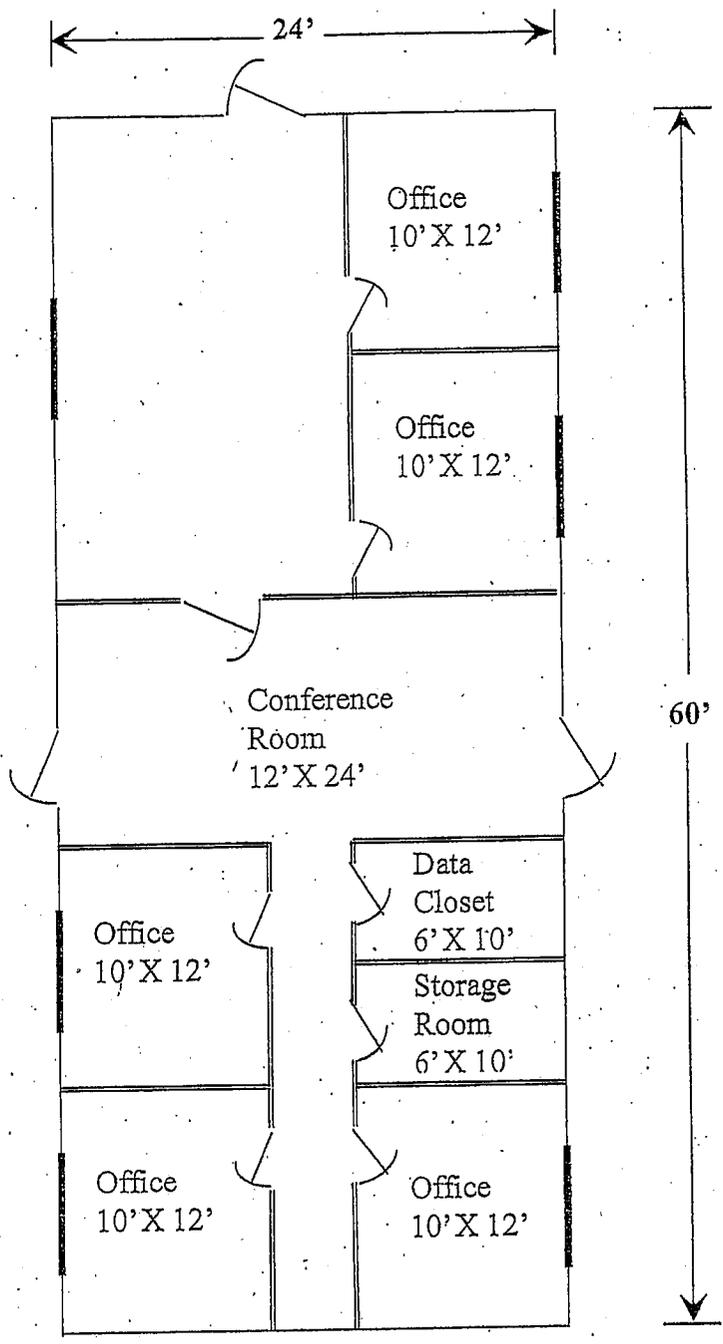
4.26.6 For installed buildings, towing hitch and axles shall be removed.



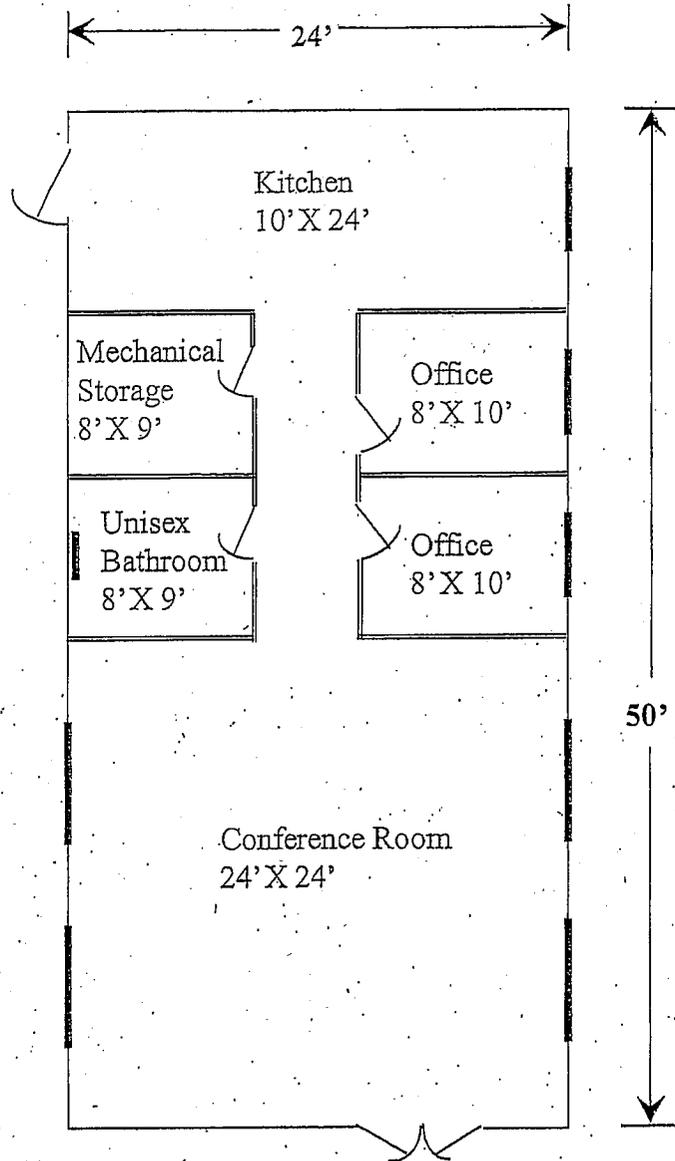
Drawing 1.0



Drawing 2.0



Drawing 3.0



Drawing 4.0