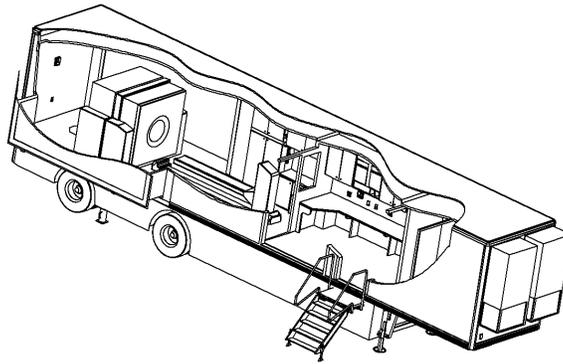




SITE PLANNING GUIDE

MOBILE SCANNER
SIEMENS “biograph”
PET CT 48’ Trailer

Manufactured by
MEDICAL COACHES, INCORPORATED



Proper site preparation for special-purpose mobile units is critical to their successful operation. This guide has been assembled to provide you with detailed site planning and preparation data specifically for the PET CT System installed in a Medical Coaches Mobile Unit.

The information compiled and provided should be sufficient to cover most site planning requirements. If additional questions do arise, please contact Medical Coaches directly, See page 3.

Medical Coaches continues to learn from our valued customers. We invite your comments and suggestions on any improvements to this document, and sincerely appreciate your past contributions.

The confidential information contained herein is the property of Medical Coaches, Inc. and may only be used by our customers.

Part No: 123138 Rev. D
September 12, 2003

SITE PLANNING GUIDE REVISION SHEET

48' PET CT TRAILER

REV	PAGES	DESCRIPTION OF CHANGE	UNIT & DATE
-		Initial Release	2/6/03
A	4	2.2 Configuration deleted delta	3/3/03
B	2, 4	Added CT after PET	4/23/03
	6	Two RJ45 data connectors supplied not three.	
	6	Connectors located in 3 rd. curbside skirt compartment in place of rear curbside skirt compartment.	
	6	Deleted paragraph on optional GEMS wireless communicator, as it never was an option with PET CT Trailer.	
C	10	Drawing B10658 now to Rev B to add a Warning note about routing cable away from foot traffic to prevent tripping hazard.	8/5/03
D	15	Turning radius drawing D11536 replaced with D13250 just for 48' PET/CT Trailer.	9/12/03

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1.0. SUPPORT PAD REQUIREMENTS:

The following is a list of recommendations and requirements for a concrete support pad.

1.1. RECOMMENDED SUPPORT PAD:

A pad measuring 54' long by 20' wide should be located as shown on the Pad Requirements Drawing D20052-3. This sized pad represents a minimum required.

1.2. SUPPORT PAD DEPTH:

Recommendations for the length and width of pad are given above. However, the depth should be determined by a local contractor based upon the weight distribution information given on the Drawing D20052-3 and existing site conditions.

1.3. SUPPORT PAD LEVELNESS:

The PET CT System requires that the support pad be LEVEL FOR PROPER OPERATION. The pad must not exceed .25 inch deviation in 10 feet 0 inches.

1.4. RECOMMENDED SERVICE PAD:

A full pad measuring 20 feet by 54 feet should be provided for ease of service access.

1.5. ATTACHING TO BUILDING:

If using a dock seal or similar inflatable seal to attach the Mobile Unit to a building, Exterior Clearances Drawing D20052 –3 can be used as a guide.

1.6. SITE VARIATIONS AND SUPPORT PAD REQUIREMENTS

The support Pad Requirements described under 1.1 to 1.4 and accompanying drawings outline an ideal pad. Many hospitals and medical service centers prepare sites to these specifications to accommodate multiple mobile units or for long term siting. Sites meeting standards reduce set-up time.

We do recognize that all sites cannot meet these stringent requirements for a multitude of reasons. In these cases, sites must meet at least the following minimum requirements for support pad compliance shown on Drawing D22052-3

1.7. PAD LOCATION

Low levels of radiation exist outside of the PET CT unit, therefore pad should be placed in an area that keeps outdoor personnel exposure minimal.

To assure that proper functioning of all equipment inside the trailer, the trailer can not be in a one Gauss or greater magnetic field. To check the current field around your possible pad location, contact Medical Coaches.

! CAUTION !

The ability to properly level our trailer is mandatory for operation of sides and medical equipment. Failure to properly level the unit can cause frame damage and void body warranty.

If you require assistance, please contact us directly.

TEL 607-432-1333

FAX 607-432-8190

R. E. Mattice, Extension 123
Vice President of Engineering, and
Chief Engineer

Paul Kankiewicz, Extension 101
Division Manager,
Technical Support Division

2.0. CUSTOMER POWER REQUIREMENTS:

The following shows the electrical specifications needed to run a Mobile PET CT System. Please contact factory for more information on requirements.

2.1. ELECTRICAL SERVICE:

A 480VAC, three phase, fused at a minimum 150Amp service is required. Maximum allowable line voltage variation is +/- 6 percent (432-528VAC).

2.2. CONFIGURATION:

Three phase wye.

2.3. FREQUENCY:

60 Hertz +/- 0.5 Hertz.

2.4. SHORELINE CABLE:

A 50 foot shoreline wired directly to trailer is provided for connecting the mobile unit to local power. The shoreline is located in the rear skirt compartment and may be drawn from either side of the trailer. The end has a Russell-Stoll DS2504MP(480V) to mate with the site receptacle.

2.5. CUSTOMER RECEPTACLE:

The facility must have the matching receptacle as specified on Site Electrical Drawing B10658. This receptacle needs to be a Russell-Stoll DF2504FRAB(480V). Connection should be prepared by a qualified electrician.

2.6. GROUNDING LUG:

A ground lug is provided on the front curbside landing gear for purpose of installing an earth ground. It is recommended that a #2 AWG or larger wire with copper bonded ground rod be tightly connected to this earth ground lug. The opposite end of the wire must be secured with a ground wire clamp, and driven securely into the ground. A qualified electrician should be made this connection.

2.7. IN-TRANSIT GENERATOR POWER:

During transit (when the Mobile Unit is NOT connected to shore power), the generator MUST run. This assures that the HVAC and the humidifier will operate to maintain proper environmental conditions required for the PET CT system. This requires that sufficient water must be available in the tank to maintain humidifier operation when not on shore power and adequate amount of diesel fuel for the generator.

3.0. WATER SUPPLY REQUIREMENTS:

Only a 3/4" cold water garden hose is required. This unit can be operated either with water line connected and pressurized or disconnected, providing tank is refilled as needed. The tank size is 38 gallons and should typically be refilled every 24 hours.

3.1. TRAILER:

The water fill connection is in the streetside compartment. A special opening is provided in the bottom of the compartment.

3.2. COLD WATER PROTECTION:

All on-board tanks and lines are weather protected. The site must provide for weather-protected supply line to prevent freeze up.

4.0. COMMUNICATION SERVICE:

This mobile system is supplied with two telephone connections and two RJ45 data connections.

4.1. DESCRIPTION OF PHONE CONNECTORS SUPPLIED:

The inlet receptacles for on site hook ups are located in the third curbside skirt compartment, just forward of the first trailer axle. The phone receptacles are marine grade with spring-loaded covers, Hubbell PH6595. A 50 foot pre-wired connecting cable, Hubbell PH6599, is shipped with system.

4.2. DATA TRANSFER LINE:

Two standard RJ45 connections, with covers, are provided. These connections are provided especially for data transfer. These connectors are also located in the third curbside skirt compartment, just forward of the first trailer axle.

The customer should supply:

Weatherproof outlets (Hubbell PH6597), mounted in weatherproof boxes (Hubbell PH6619), within 50 feet of the mobile system.

5.0. SITE CLEARANCE REQUIREMENTS:

5.1. MOBILE UNIT CLEARANCE REQUIREMENTS:

Refer to Drawing D20052-2 depicting exterior clearance required around the mobile unit.

5.2. SWING DIMENSIONS OF DOORS:

Swing dimensions are shown for all compartment doors and entrance door. Service access should be an additional 36 inches to all dimensions shown (indicated on Exterior Clearance Requirements Drawing #D20052-2). These dimensions must be considered when contemplating parking near a building or other obstruction. Patient and staff access and entrance should also be convenient to the mobile unit site.

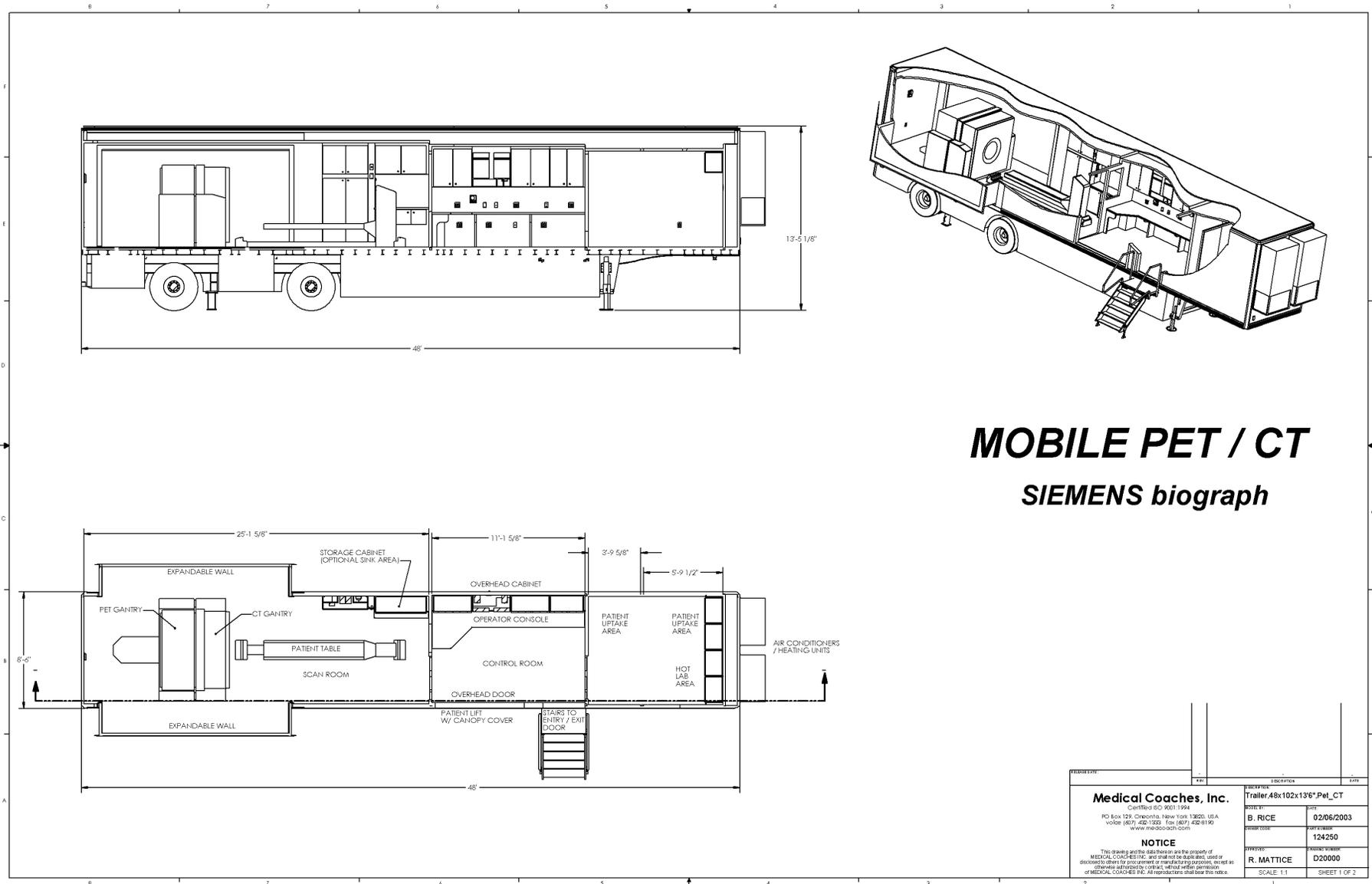
6.0. REGULATIONS:

This mobile unit has been designed to comply with Federal regulations in existence at time of manufacture. Local and State regulations may differ from site to site. It is the responsibility of each site to ensure that these regulations are met and encumber any costs associated with unique alterations or additional equipment required.

7.0 Drawing List

The following pages contain drawings used by Medical Coaches, Inc., for a site planning guide. These drawings serve as a visual aide for reference only. Understanding or use of these prints is not necessary for the use of this unit.

Drawing Description	Drawing Number
Floor Plan PET CT Scanner w/ Siemens biograph	D20000-1
Site Electrical Requirements	B10658
Exterior Views	D20052-1
Exterior Clearance Requirements	D20052-2
Pad Requirements	D20052-3
Lettering Guide	D20052-4
Swing Radius	D13250



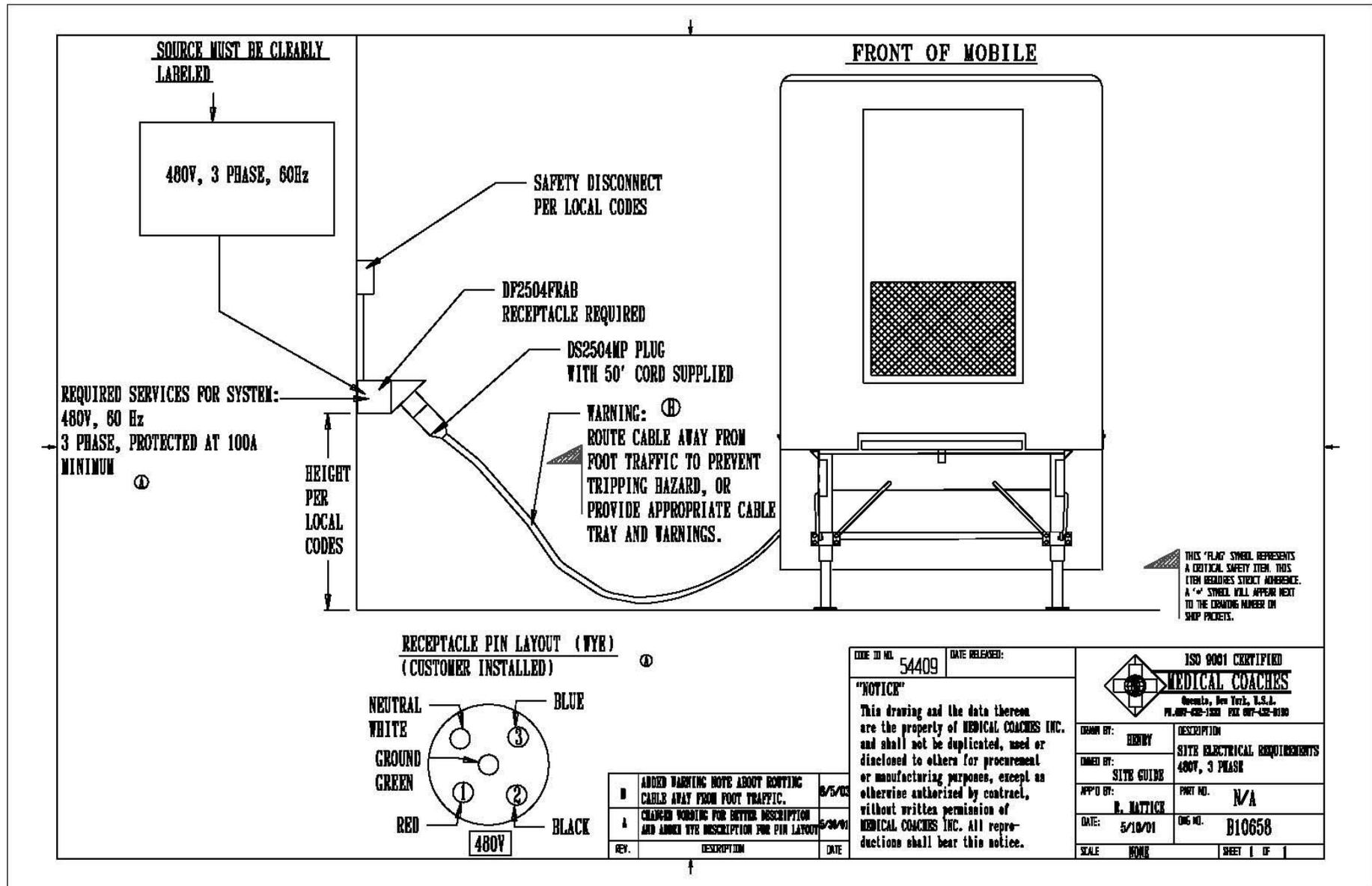
MOBILE PET / CT

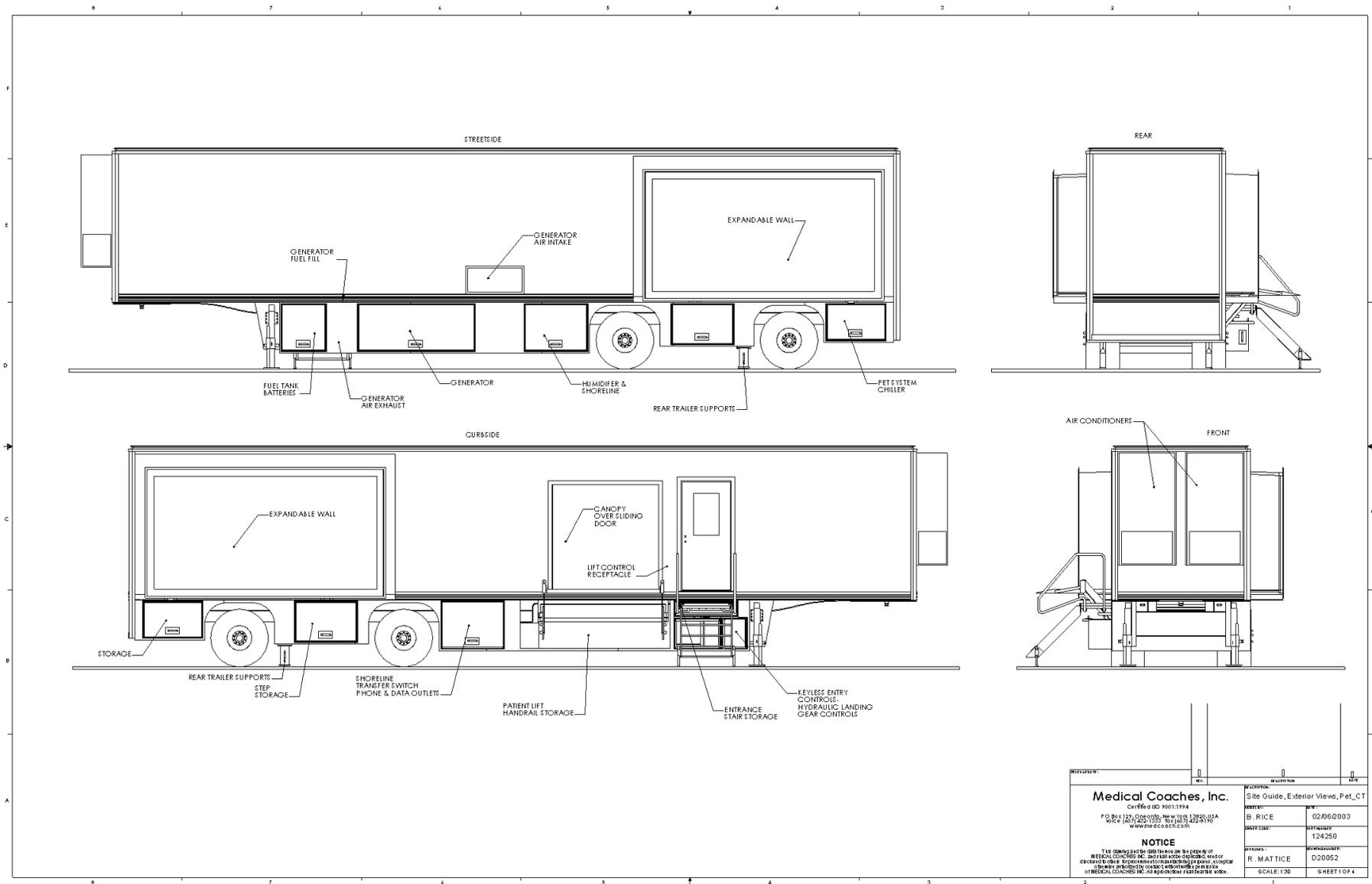
SIEMENS biograph

PROJECT NO:	TRAILER 48x102x136" Pet_CT
DATE:	02/06/2003
BY:	B. RICE
PROJECT NO:	124250
DATE:	02/06/2003
BY:	R. MATTICE
PROJECT NO:	D20000
SCALE:	SCALE 1:1
SHEET:	SHEET 1 OF 2

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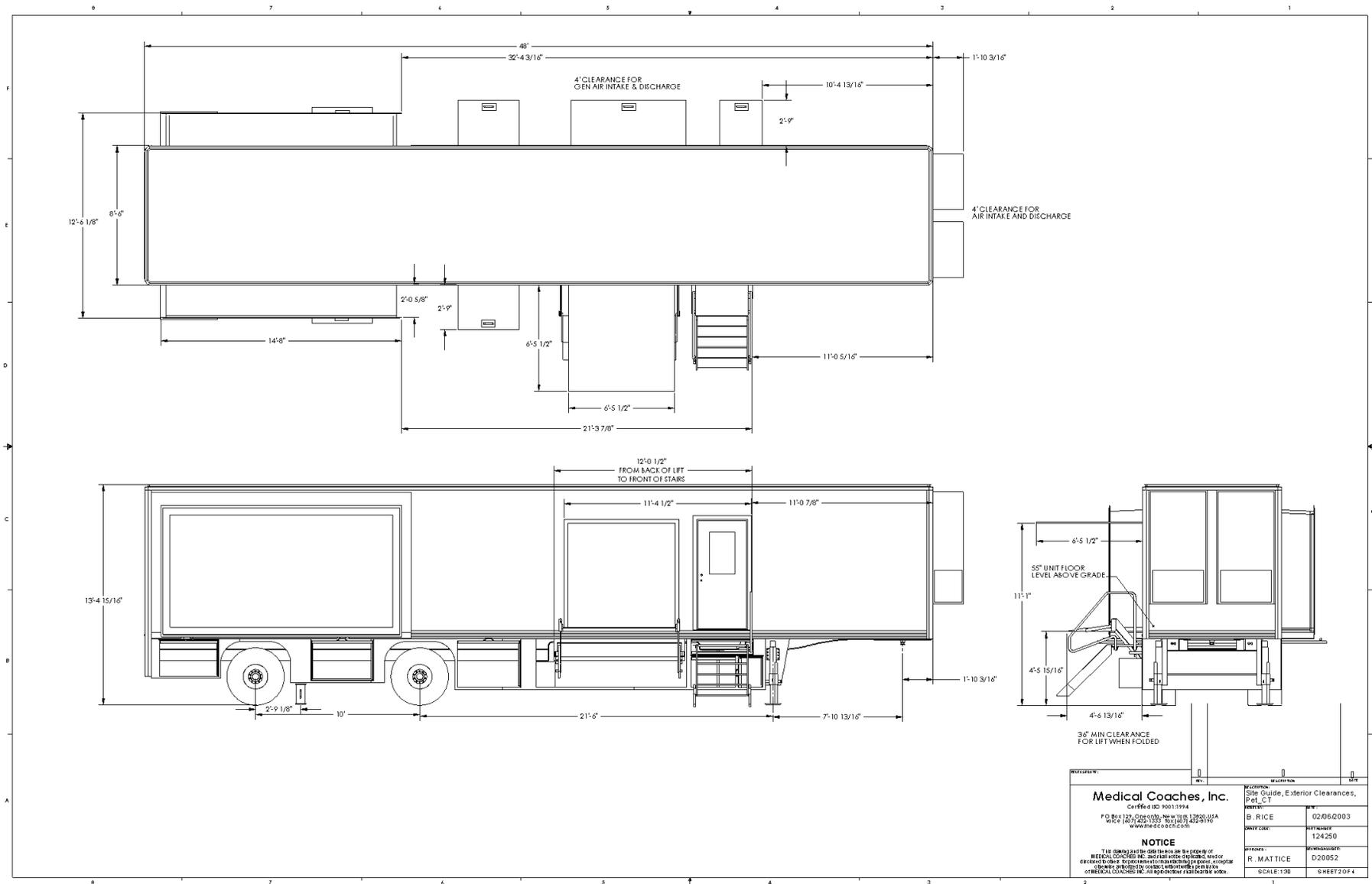
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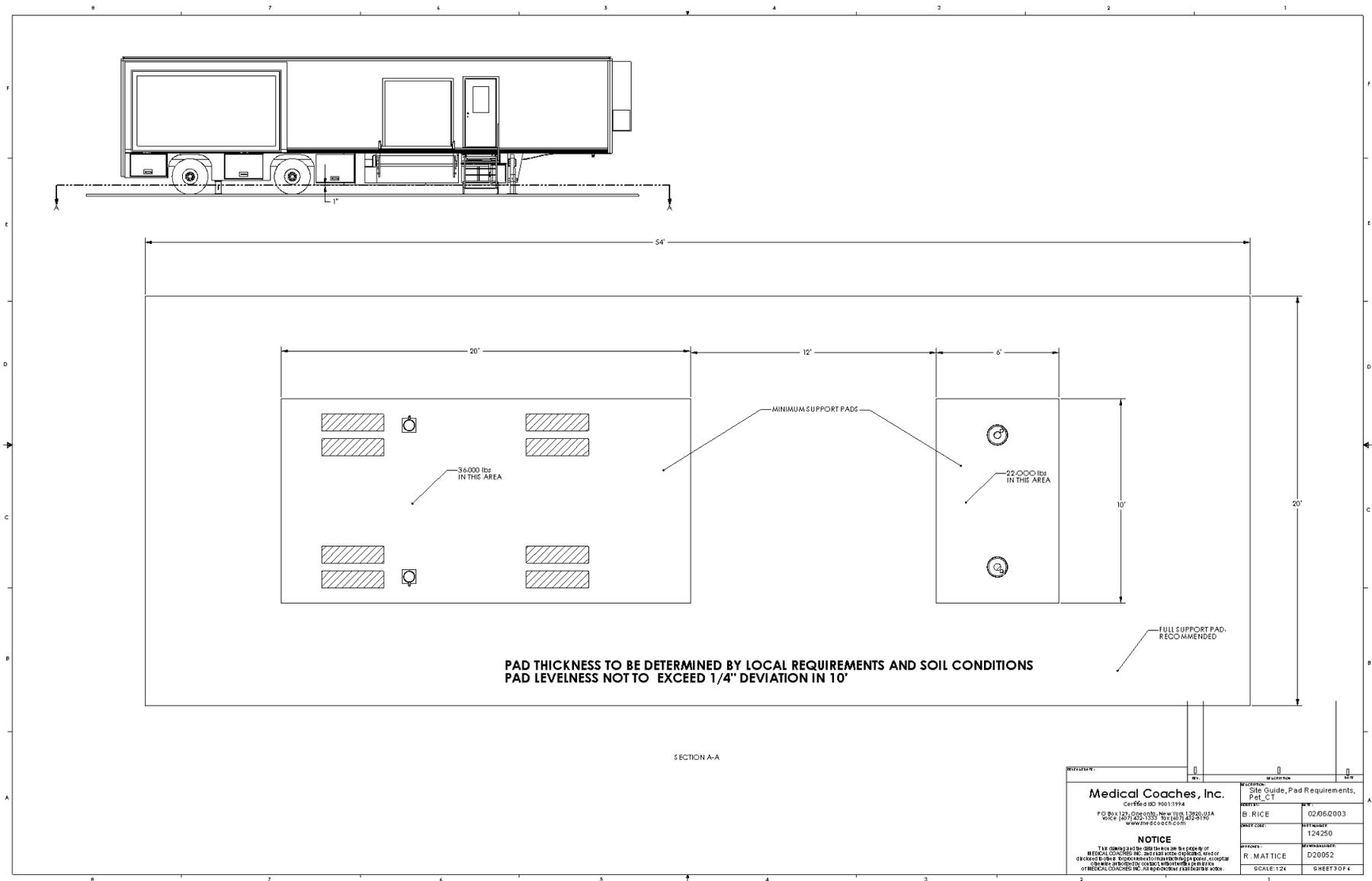


Medical Coaches, Inc. Cert# Med 0011994 P.O. Box 123, Greenvale, New York 11548-0123 Phone: (516) 223-1122 Fax: (516) 432-5194 www.medcoaches.com		Site Guide, Exterior Views, Pet_CT	
PROJECT:	D. RICE	DATE:	02/05/2003
SHEET NO:	124250	SHEET TOTAL:	124250
PROJECT:	R. MATTICE	SHEET NO:	D20052
SCALE:	1:30	SHEET OF:	4

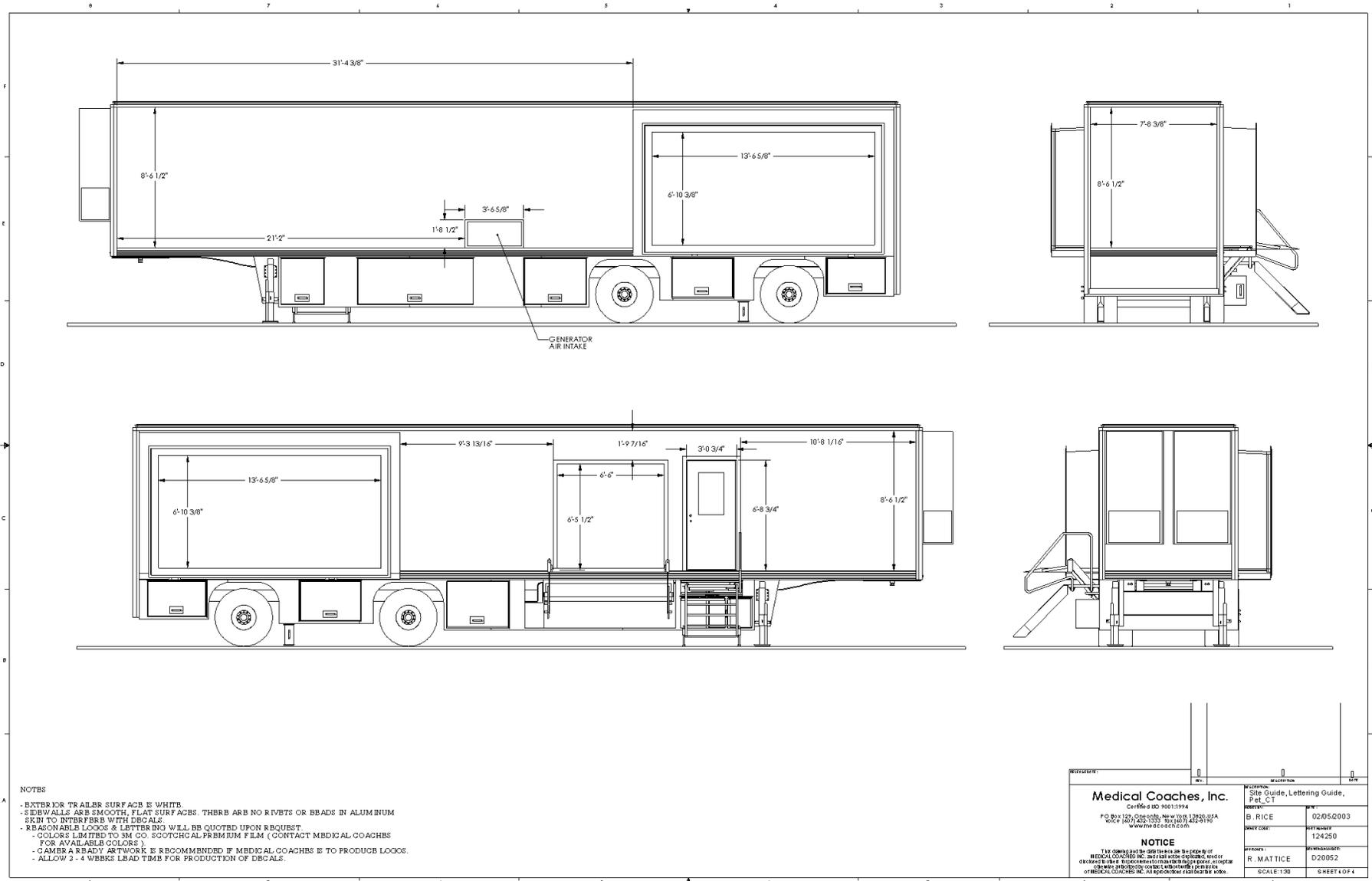
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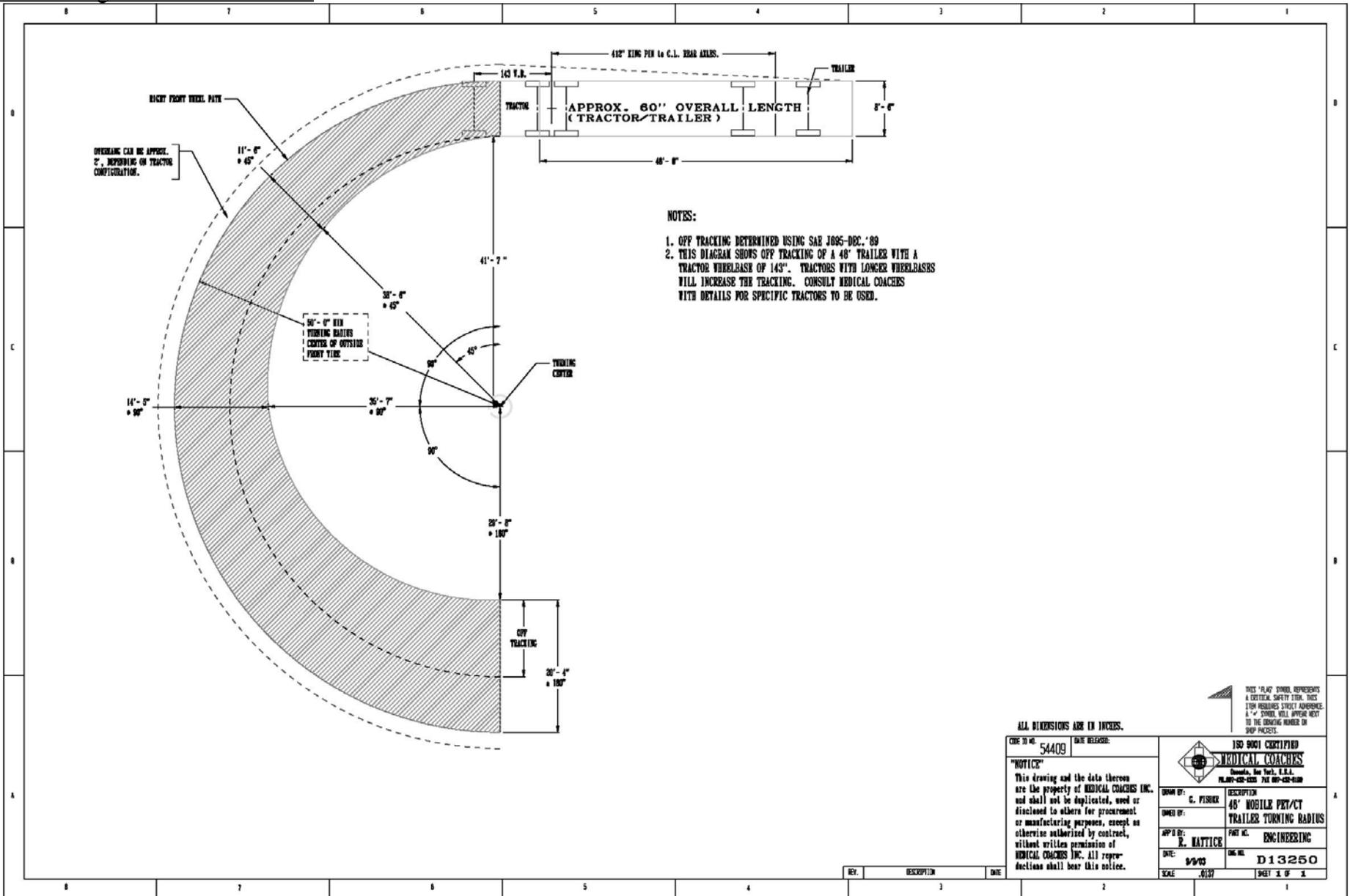


Medical Coaches, Inc. Certified ISO 9001:2015 P.O. Box 123, Cicero, New York 13020-0123 www.medcoaches.com		PROJECT: Site Guide, Exterior Clearances, Pet_CT DATE: 02/05/2003 DRAWING NO: 124250 DESIGNER: R. MATTICE CHECKER: D20052 SCALE: 1/32" = 1'-0" SHEET 2 OF 4	
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Medical Coaches, Inc. Certified ISO 9001:2015 P.O. Box 123, Concord, New York 12920-0123 Phone: (518) 535-1133 Fax: (518) 432-5190 www.mccoches.com		Project: Site Guide, Pad Requirements, Pet_C1 Date: 02/05/2003 Designer: B. RICE Checker: R. MATTICE Title: 124250 Drawing: D20052 Scale: 1/4" = 1'-0" Sheet: 3 OF 4	
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- NOTES:**
1. OFF TRACKING DETERMINED USING SAB J695-DEC.'89
 2. THIS DIAGRAM SHOWS OFF TRACKING OF A 48' TRAILER WITH A TRACTOR WHEELBASE OF 143". TRACTORS WITH LONGER WHEELBASES WILL INCREASE THE TRACKING. CONSULT MEDICAL COACHES WITH DETAILS FOR SPECIFIC TRACTORS TO BE USED.

ALL DIMENSIONS ARE IN INCHES.

THIS FLAG SYMBOL REPRESENTS A CERTAIN SAFETY ITEM. THIS I FOR REQUIRES STUDY AND AWARENESS. A "V" SYMBOL WILL APPEAR NEXT TO THE DRAWING NUMBER ON SHOP DRAWINGS.

<p>DATE: 5/4/09</p> <p>DATE: 5/4/09</p>			
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<p>ISO 9001 CERTIFIED</p> <p>MEDICAL COACHES</p> <p>Omaha, Neb. U.S.A.</p> <p>PL 800-432-0225 FAX 402-432-0108</p>	<p>DESCRIPTION:</p> <p>48' MOBILE PET/CT TRAILER TURNING RADIUS</p> <p>DATE: 5/4/09</p> <p>SCALE: 1/8" = 1'-0"</p>
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REV.	DESCRIPTION	DATE