KENAI PENINSULA BOROUGH

Purchasing & Contracting
47140 East Poppy Lane • Soldotna, Alaska 99669
Phone (907) 262-9657 • Fax (907) 262-6090
www.kpb.us

MIKE NAVARRE
BOROUGH MAYOR

January 6, 2017

Mr. Robert Letson, CEO
South Peninsula Hospital
4300 Bartlett Street
Homer, AK 99603

RE: CON Determination for Homer Medical Center requested information

Dear Bob,

Regarding the questions received on January 3, 2017, by Ms. Alexandria Hicks, Coordinator for DHSS/HCS/ORR/Certificate of Need Program, I have the following responses:

Question: Can you confirm, based on the Homer Medical Center Cost Estimate Breakdown you submitted in December that new construction for expansion of your facility that is strictly for new clinical space equals a total of $452,695? And, can you confirm that this total reflects approximately 1,230 additional square feet to also include the new X-ray room and new, replacement X-ray machine?

The estimated cost for the new clinical space is $452,695. This includes approximately 1230sf of new space and does include a new x-ray room to replace the undersized existing X-ray room. The x-ray equipment however, is not included in that cost. Please see the attached quote from Siemens for a new Multix Fusion Digital X-ray machine for a supply and installed cost of $156,949. Total cost of new clinical space and new x-ray equipment totals $609,644. Please see the attached revised estimate to clarify.

Question: On the cost estimate breakdown it is not clear where the X-ray was previously located in the building. Could you please clarify where it was located in the existing floorplan?

The existing X-ray room is currently where the new phlebotomy space is shown on the attached drawing. The existing phlebotomy space is where a portion of the drug storage is shown on the attached drawing.

Question: And, also could you provide the sale documents (quote is sufficient) for the x-ray system that clearly show the price…

Please see the attached quote information from Siemens.

Please forward any further questions they may have, and thank you to Ms. Hicks for her help and consideration in this matter.

Regards,

Scott Curtin, Project Manager
Purchasing & Contracting Department
Kenai Peninsula Borough

Existing | New

Clinical Spaces are in color, all non-clinical spaces are left in white.

Homer Medical Center Cost Estimate Breakdown (revised)

Description	New Construction	Remodel	Total
Concrete	$ 30,907.00		$ 30,907.00
Masonry	$ 33,652.00		$ 33,652.00
Metals	$ 83,495.00		$ 83,495.00
Wood & Plastics	$ 248,990.00	$ 30,000.00	$ 278,990.00
Thermal & Moisture Protection	$ 311,492.00		$ 311,492.00
Openings	$ 106,076.00	$ 6,500.00	$ 112,576.00
Finishes	$ 199,683.00	$ 70,071.00	$ 269,754.00
Specialties	$ 49,703.00		$ 49,703.00
Equipment		$ 11,346.00	$ 11,346.00
Furnishings	$ 37,057.00		$ 37,057.00
Special Construction	$ 25,732.00		$ 25,732.00
Fire Suppression	$ 38,669.00	$ 34,290.00	$ 72,959.00
Plumbing	$ 105,684.00	$ 93,719.00	$ 199,403.00
HVAC	$ 377,047.00	$ 94,262.00	$ 471,309.00
Electrical	$ 210,670.00	$ 52,667.00	$ 263,337.00
Communications	$ 96,433.00	$ 24,108.00	$ 120,541.00
Electronic Safety / Security	$ 99,873.00	$ 24,968.00	$ 124,841.00
Totals	$ 2,055,163.00	$ 441,931.00	$ 2,497,094.00

5584 SF of New Constuction equals $/SF	$ 368	
1714 SF of Remodel Construction equals $/SF		$ 258

Additional Costs:			
General Requirements			$ 782,200.00
Existing Conditions / Demolition			$ 50,842.00
Earthwork			$ 90,475.00
Exterior Improvements			$ 60,792.00
Utilities			$ 67,766.00
New Siemen X-Ray equipment supply/install			$ 156,949.00
Total Additional Costs			$ 1,209,024.00

Total Estimated Project Cost	$ 3,706,118.00

CLINICAL SPACE NEW			
(Eight Exam Rooms, Procedure Room, X-Ray Room)	**$ 452,695.29**		
(This is approximately 1230SF x $368/SF)			
New Siemen X-Ray equipment supply/install	**$ 156,949.00**		
CLINICAL SPACE REMODEL			
(Seven Exam Rooms, Procedure Room, Phlebotomy Room, Lab, Drug Storage)			
(This is approximately 1350SF x $258/SF)		**$ 348,078.68**	
Total Estimated Cost of Clinical Space being constructed and remodeled	**$ 609,644.29**	**$ 348,078.68**	**$ 957,722.96**

Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355
Fax: (208) 884-0147

SIEMENS REPRESENTATIVE
Bryan Niver - (907) 250-6291

Customer Number: 0000003590

Date: 12/10/2016

SOUTH PENINSULA HOSPITAL
4300 BARTLETT STREET
HOMER, AK 99603

Siemens Medical Solutions USA, Inc. is pleased to submit the following quotation for the products and services described herein at the stated prices and terms, subject to your acceptance of the terms and conditions on the face and back hereof, and on any attachment hereto.

Table of Contents **Page**

Contract Total: $155,749
(total does not include any Optional or Alternate components which may be selected)

Proposal valid until 1/24/2017

Estimated Delivery Date: 4/20/17

Estimated delivery date is subject to change based upon factory lead times, acceptance date of this quote, customer site readiness, and other factors. A Siemens representative will contact you regarding the final delivery date.

This offer is only valid if a firm, non-contingent order is placed with Siemens and a signed POS contract must accompany the equipment order.

Should Siemens introduce a new generation of the same device platform being quoted, Customer may elect to change this order to a new similarly configured product once such new product becomes commercially available provided the parties negotiate a commercially reasonable price change, if any, for the new product prior to the last call to commence manufacturing.

The parties hereby expressly agree that the Premier Healthcare Alliance, L.P. Group Purchasing Agreement—Imaging Products and Services effective October 1, 2015 (Contract Number(s) PP-IM274) and Siemens Terms and Conditions of Sale attached hereto shall govern the purchase of Products pursuant to this Quotation.

This quote is based upon standard delivery terms and conditions (e.g., standard work hours, first floor delivery, etc.), basic rigging, mechanical installation and calibration. Siemens Medical Solutions USA, Inc., Project Management shall perform a site-specific assessment to ascertain any variations that are out of scope and not covered by the standard terms (examples such as, but not limited to: larger crane, nonstandard work hours, removal of existing equipment, etc.). Any noted variations identified by Siemens Project Management shall remain the responsibility of the customer and will be subject to additional fees.

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40 Liberty Boulevard, Malvern, PA 19355
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SIEMENS REPRESENTATIVE
Bryan Niver - (907) 250-6291

Accepted and Agreed to by:

Siemens Medical Solutions USA, Inc.		**SOUTH PENINSULA HOSPITAL**	
By (sign):		By (sign):	
Name:	Bryan Niver	Name:	
Title:	Account Executive	Title:	
Date:		Date:	

By signing below, signor certifies that no modifications or additions have been made to the Quotation. Any such modifications or additions will be void.

By (sign): _____

Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355
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Bryan Niver - (907) 250-6291

Quote Nr:	**1-DF89JI Rev. 4**
Terms of Payment:	00% Down, 80% Delivery, 20% Installation Free On Board: Destination
Purchasing Agreement:	PREMIER PURCHASING PARTNERS LP PREMIER PURCHASING PARTNERS LP terms and conditions apply to Quote Nr 1-DF89JI

Multix Fusion - Digital

All items listed below are included for this system: *(See Detailed Technical Specifications at end of Proposal.)*

Qty	Part No.	Item Description
1	14443207	**Multix Fusion wireless detector** Universal digital radiographic workplace for skeletal radiography of the recumbent, standing or seated patient with ceiling-mounted X-ray tube assembly and optional patient table and optional bucky wall stand. One wireless detector (3 batteries are provided. A battery charger is provided for battery charging) as a basis with a digital imaging system, an image and control station with application and evaluation programs and DICOM network connection.
1	14428776	**ACSS celing support + tracking, 3m** Carriage for 3D overhead support, including tube, ACSS (Automatic Cassette Size Sensing) collimator and motorized vertical column, 3 m long.
1	14436409	**Ceiling rails 4.25m** 2 tracks for the ceiling-mounted support with a travel distance up to a maximum of 4.25 meters in longitudinal direction.
1	14428787	**Grid, F115** Highly selective anti-scatter grid for scattered radiation reduction.
1	14428788	**Grid, F150** Highly selective anti-scatter grid for scattered radiation reduction.
1	14428781	**Multix Fusion table** Bucky table in compact design, for X-ray exposures of the entire body.
1	14428801	**Foot kick switch Front** For height adjustment of the patient positioning table and switching of the floating tabletop.
1	14428792	**Clip-on grid, 10/80, F100** Grid with clips for attaching to the mobile detector, including attachment to the outside of the unit. - Pb 10/80 (grid ratio 10:1, 80 lines/cm) - Grid focusing for SID 110 cm (39")
1	14428665	**19" color flat screen display** LCD color display with high luminance and extended field of view.
1	04434028	**DICOM WORKLIST & MPPS** Import of patient/examination data from an external RIS (Radiology Information System) /HIS (Hospital Information System) patient management system with DICOM MWL (Modality Worklist) as well as feedback on the examination status with DICOM MPPS (Modality Performed Procedure Step).

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Qty	Part No.	Item Description
1	14428827	**Standard keyboard, US** Standard keyboard. Please adapt to new structure, see also the VBLO numbers in the new price book
1	14428794	**CAREmax plus** CAREmax measuring chamber for acquisition of the dose-area product.
1	08861002	**Patient positioning mattress** The radiolucent table pad matches the size of the tabletop and has a heavy-duty soft plastic cover that is easy to clean. The soft cushion allows comfortable patient positioning and repositioning. To prevent the pad from sliding during head-up positions, the straps of patient table pad can be attached to the grip protection rail at the head end.
1	14407091	**Wall holder for grid** Holder for storage of exchangable grids or cassette trays. Can be mounted to the wall.
1	14428741	**Pre-transformer 440/480V** Required for line voltages of 440 V and 480 V.
1	XPRF_EDUOPTION2	**Clinical Education & Training: Option 2** Siemens offers multiple options for clinical education and training on your new system. These options enable a more personalized approach to the introduction to system operation, features, and benefits and will help ensure that your technologists and physicians have the opportunity to engage in the level of training that best meets your current clinical needs and business objectives. The following items are the education and training modules are highly recommended for the operation of your new Siemens system and are most effective for sites where technologists and/or physicians have some experience on Siemens' systems. This option provides additional opportunities to learn more specialized procedures and/or the ability to further increase efficiencies.
1	XPRF_INITIAL_16	**Initial onsite training 16 hrs** Up to (16) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist. Uptime Clinical Education phone support is provided during the warranty period for specified posted hours. This educational offering must be completed (12) months from install end date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	XPRF_ADD_8	**Additonal onsite training 8 hours** Up to (8) hours of on-site clinical education training, scheduled consecutively (Monday - Friday) during standard business hours for a maximum of (4) imaging professionals. Training will cover agenda items on the ASRT approved checklist if applicable. This educational offering must be completed (12) months from purchase date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	XPRF_REMOTEMAP	**Remote Mapping Acceleration** For new system mapping and/or database configuration, Siemens will work remotely to configure the provided information to help accelerate the transition to the new system. The correct RIS worklist must be provided by the customer in a format specified by Siemens to prepare the new parameters for loading into the new system. This educational offering must be completed the later of (12) months from install end or purchase date. If training is not completed within the applicable time period, Siemens obligation to provide the training will expire without refund.
1	AXD_RIG_DIGRAD_STD	**Standard Rigging DigRad**
1	AXD_BUDG_ADDL_RIG	**Budgetary Add'l/Out of Scope Rigging $2,500**
1	XPRF_PR_XRDR	**Transition to digital radiography**
1	14428785	**Bucky wall stand, tiltable, left** Bucky wall unit with height-adjustable and tiltable catapult bucky cabinet and IONTOMAT three-field chamber. Left-handed operation of the catapult Bucky.
1	14428780	**Generator expansion, 80 kW** Upgrade high-frequency X-ray generator to 65 kW power for increased performance to extend the range of

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Qty	Part No.	Item Description
		applications.
1	14436337	**License 80 kW**
1	14443247	**System cable for Multix Fusion** System cable for systems without fixed detector.

System Total: $155,749

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OPTIONS on Quote Nr: **1-DF89JI Rev. 4**

OPTIONS for Multix Fusion - Digital

All items listed below are OPTIONS and will be included on this system ONLY if initialed: *(See Detailed Technical Specifications at end of Proposal.)*

Qty	Part No.	Item Description	Extended Price	Initial to Accept
1	14409345	**Detector Holder, Mobile** Mobile detector holder for safe placement of the mobile detector, CR and film casettes from 24 cm x 30 cm to 35 cm x 43 cm (9.5" x 12" to 14" x 17"), e.g. for cross-table or other free examinations.	+ $5,056	X
1	14428728	**Lateral detector holder** Detector holder for cross-table direct exposures with lateral beam projection and horizontal tabletop. The detector tray holder supports the detector in an upright position on the horizontal tabletop according to the desired cross-table exposure. A wall mount device is always included in the delivery. Detector with and without clip-on grid. - Dimensions (H x W) 22 cm x 49 cm (8.66" x 19.29") - Weight: 5.4 kg (11.88 lbs)	+ $4,544	X
1	CID4948	**Portable DR Panel Protector(14x17)** The unique design of the DR Panel Protector provides an easy way to take weight-bearing x-rays of feet (AP view). The unit is simply placed over the DR panel which is first positioned on the floor. Patients step onto the DR Panel Protector with as much weight as needed to get the desired image. The face plate is made of polycarbonate designed to support patients weighing up to 500 pounds. The face plate is x-ray lucent, allowing the x-rays to pass through the DR Panel Protector with no significant absorption or scattering. The non-slip rubber floor grips keep the DR Panel Protector from slipping on a hard floor. The Panel Protector frame is notched to accommodate the cable connection from the digital DR panel to the host system. One year warranty through Clear Image Devices	+ $1,200 included option	X

FINANCING: The equipment listed above may be financed through Siemens. Ask us about our full range of financial products that can be tailored to meet your business and cash flow requirements. For further information, please contact your local Sales Representative.

ACCESSORIES: Don't forget to ask us about our line of OEM imaging accessories to complete your purchase. All accessories can be purchased or financed as part of this order. To purchase accessories directly or to receive our accessories catalog, please call us directly at 1-888-222-9944 or contact your local Sales Representative.

COMPLIANCE: Compliance with legal and internal regulations is an integral part of all business processes at Siemens. Possible infringements can be reported to our Helpdesk “Tell us” function at www.siemens.com/tell-us.

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Siemens Medical Solutions USA, Inc. General Terms and Conditions

1. GENERAL

1.1 Contract Terms and Acceptance. These terms and conditions constitute an integral part of any contract between Seller and Purchaser identified on the first page hereof and shall govern the sale of the products identified in such contract ("Products"). Purchaser acknowledges that this is a commercial and not a consumer transaction. Purchaser shall be deemed to have assented to, and to have waived any objection to, this Agreement upon the earliest to occur of any of the following: Purchaser's completion or execution of this Agreement; Purchaser's acceptance of all or any part of the Products; Purchaser's issuance of a purchase order for any Products identified on Seller's quotation or proposal; or delivery of the Products to the common carrier for shipment pursuant hereto.

1.2 Refurbished/Used Products. For Products identified on this Agreement as used or refurbished Products, these Products have been previously owned and used. When delivered to Purchaser, such Products will perform in accordance with the manufacturer's specifications. Since pre-owned Products may be offered simultaneously to several customers, the availability of such Products to Purchaser cannot be guaranteed. If the Products are no longer available, Seller will use its best efforts to identify other suitable products in its inventory. If substitute products are not acceptable to Purchaser, then Seller will cancel the order and refund to Purchaser any deposits previously paid. The warranty period for any used or refurbished Products will be separately stated on the quotation.

1.3 Third Party Products. If this Agreement includes the sale of third party products not manufactured by Seller, then Purchaser agrees and acknowledges that (a) Purchaser has made the selection of these products on its own, (b) the products are being acquired by Seller solely at the request of and for the benefit and convenience of Purchaser, (c) no representation, warranty or guarantee has been made by Seller with respect to the products, (d) the obligation of Purchaser to pay Seller for the products is absolute and unconditional, (e) use of the products may be subject to Purchaser's agreement to comply with any software licensing terms imposed by the manufacturer; and (f) unless otherwise indicated by Seller in writing, Seller is not responsible for any required installation, validation, product recall, warranty service, maintenance, complaint handling, or any other applicable FDA regulatory requirements, and the Purchaser will look solely to the manufacturer regarding these services and will assert no claim against Seller with respect to these products.

2. PRICES

2.1 Quotations. Unless otherwise agreed to in writing or set forth in the quotation, all prices quoted by Seller and amounts payable by Purchaser are in U.S. dollars, and include Seller's standard packaging. The prices quoted to Seller assume that the Seller is located in, and will use the Products in, the U.S. If not, such quotation will be void. Unless otherwise stated, the quotation shall only be valid for forty-five (45) days from the date of the quotation.

2.2 Delay in Acceptance of Delivery. Should the agreed delivery date be postponed by Purchaser, Seller shall have the right to deliver the Products to storage at Purchaser's risk and expense, and payments due upon delivery shall become due when Seller is ready to deliver.

3. TAXES

3.1 Any sales, use or manufacturer's tax which may be imposed upon the sale or use of Products, or any property tax levied after readiness to ship, or any excise tax, license or similar fee (excluding the Medical Device Excise Tax as set forth in Section 4191 of the Internal Revenue Code of 1986, as amended) required under this transaction, shall be in addition to the quoted prices and shall be paid by Purchaser. Notwithstanding the foregoing, Seller agrees to honor any valid exemption certificate provided by Purchaser.

4. TERMS OF PAYMENT; DEFAULT

4.1 Payments; Due Date. Unless otherwise set forth in the quotation, Purchaser shall pay Seller as follows: an initial deposit of 10% of the purchase price for each Product is due upon submission of the purchase order, an additional 80% of the purchase price is due upon delivery of each Product, and the final 10% of the purchase price is due upon completion of installation or when the Products are available for first patient use, whichever occurs first. Unless otherwise agreed, all payments other than the initial deposit are due net thirty (30) days from the date of invoice. Seller shall have no obligation to complete installation until the payment due upon delivery is received. Partial shipments shall be billed as made, and payments for such shipments will be made in accordance with the foregoing payment terms.

4.2 Late Payment. A service charge of 1½% per month, not to exceed the maximum rate allowed by law, shall be made on any portion of Purchaser's outstanding balance which is not paid when due. Payment of such service charge shall not excuse or cure Purchaser's breach or default for late payment.

4.3 Payment of Lesser Amount. If Purchaser pays, or Seller otherwise receives, a lesser amount than the full amount provided for under this Agreement, such payment shall not constitute or be construed other than as on account of the earliest amount due Seller. No endorsement or statement on any check or payment or elsewhere shall constitute or be construed as an accord or satisfaction.

4.4 Where Payment Due Upon Installation or Completion. Should any terms of payment provide for either full or partial payment upon completion of installation or thereafter, and completion of installation is delayed for any reason for which Seller is not responsible beyond the installation date set forth in the Notice to Manufacture Letter issued by Seller, as applicable, then the balance of payments shall be due on the day following such installation date.

4.5 Default; Termination. Each of the following shall constitute an event of default under this Agreement: (i) a failure by Purchaser to make any payment when due; (ii) a failure by Purchaser to perform any other obligation under this Agreement within thirty (30) days of receipt of written notice from Seller; or (iii) the commencement of any insolvency, bankruptcy or similar proceedings by or against Purchaser.

Upon the occurrence of any event of default, at Seller's election: (a) the entire amount of any indebtedness and obligation due Seller under this Agreement and interest thereon shall become immediately due and payable; (b) Seller may suspend the performance of any of Seller's obligations hereunder, including, but not limited to, obligations relating to delivery, installation and warranty services; (c) Purchaser shall put Seller in possession of the Products upon demand; (d) Seller may sell or otherwise dispose of all or any part of the Products and apply the proceeds thereof against any indebtedness or obligation of Purchaser under this Agreement; (e) if this Agreement or any indebtedness or obligation of Purchaser under this Agreement is referred to an attorney for collection or realization, Purchaser shall pay to Seller all costs of collection and realization (including, without limitation, a reasonable sum for attorneys' fees); and Purchaser shall pay any deficiency remaining after collection of or realization by Seller on the Products. In addition, Seller may terminate this Agreement upon written notice to Purchaser in the event that Purchaser is not approved for credit or upon the occurrence of any material adverse change in the financial condition or business operations of Purchaser.

4.6 Financing. Notwithstanding any arrangement that Purchaser may make for the financing of the purchase price of the Products, the parties agree that any such financing arrangement shall have no effect on the Purchaser's payment obligations under this Agreement, including but not limited to Sections 4.1 and 4.2 above.

5. EXPORT TERMS

5.1 Unless other arrangements have been made, payment on export orders shall be made by irrevocable confirmed letter of credit, payable in U.S. dollars against Seller's invoice and standard shipping documents. Such letter of credit shall be in an amount equal to the full purchase price of the Products and shall be established in a U.S. bank acceptable to Seller. Purchaser shall have sole responsibility to procure all necessary permits and licenses for shipment and compliance with any governmental regulations concerning control of final destination of Products.

5.2 Purchaser agrees that Products shall not at any time directly or indirectly be used, exported, sold, transferred, assigned or otherwise disposed of in a manner which will result in non-compliance with applicable export Control and US Sanction laws and regulations. If Purchaser purchases a Product at the domestic price and exports such Product, or transfers such Product to a third party for export, outside of the U.S., Purchaser shall pay to Seller the difference between the domestic price and the international retail price of such Product. Purchaser shall deliver to Seller, upon Seller's request, written assurance regarding compliance with this Section in form and content acceptable to Seller.

6. DELIVERY, RISK OF LOSS

6.1 Delivery Date. Delivery and installation dates will be established by mutual agreement of the parties as set forth in the Notice to Manufacture Letter issued

by the Seller, as applicable. Seller shall make reasonable efforts to meet such delivery date(s).

6.2 Risk of Loss; Title Transfer. Unless otherwise agreed to in writing, the following shall apply:

(a) For Products that do not require installation by Seller, and for options and add-on products purchased subsequent to delivery and installation of Products purchased under this Agreement, delivery shall be complete upon transfer of possession to common carrier, F.O.B. Shipping Point, whereupon title to and all risk of loss, damage to or destruction of the Products shall pass to Purchaser.

(b) For Products that require installation by Seller, delivery shall be complete upon delivery of the Products to Purchaser's designated site, F.O.B. Destination; whereupon title to and all risk of loss, damage to or destruction of such Products shall pass to Purchaser upon completion of delivery.

(c) All freight charges and other transportation, packing and insurance costs, license fees, custom duties and other similar charges shall be the sole responsibility of Purchaser unless included in the purchase price or otherwise agreed to in writing by Seller. In the event of any loss or damage to any of the Products during shipment, Seller and Purchaser shall cooperate in making any insurance claim.

7. SECURITY INTEREST/FILING

7.1 Purchaser grants to Seller a security interest in the Products until payment in full by Purchaser. Purchaser shall sign any financing statements or other documents necessary to perfect Seller's security interests in the Products. Purchaser further represents and covenants that (a) it will keep the Products in good order and repair until the purchase price has been paid in full, (b) it will promptly pay all taxes and assessments upon the Products or the use thereof, (c) it will not attempt to transfer any interest in the Products until the purchase price has been paid in full, and (d) it is solvent and financially capable of paying the full purchase price for the Products.

8. CHANGES, CANCELLATION, AND RETURN

8.1 Orders accepted by Seller are not subject to change except upon Seller's written agreement.

8.2 Orders accepted by Seller are non-cancellable by Purchaser except upon Seller's written consent and payment by Purchaser of a cancellation charge equal to 10% of the price of the affected Products, plus any shipping, insurance, inspection and refurbishment charges; the cost of providing any training, education, site evaluation or other services completed by Seller; and any return, cancellation or restocking fees with respect to any Third Party Products ordered by Seller on behalf of Purchaser. Seller may retain any payments received from Purchaser up to the amount of the cancellation charge. In no event can an order be cancelled by Purchaser or Products be returned to Seller after shipment.

8.3 Seller reserves the right to change the manufacture and/or design of its Products if, in the judgment of Seller, such change does not alter the general function of the Products.

9. FORCE MAJEURE

9.1 Seller shall not be liable for any loss or damage for delay in delivery, inability to install or any other failure to perform due to causes beyond its reasonable control including, but not limited to, acts of God or the public, war, civil commotion, blockades, embargoes, calamities, floods, fires, earthquakes, explosions, storms, strikes, lockouts, labor disputes, or unavailability of labor, raw materials, power or supplies. Should such a delay occur, Seller may reasonably extend delivery or production schedules or, at its option, cancel the order in whole or part without liability other than to return any unearned deposit or prepayment.

10. WARRANTY

10.1 Seller warrants that the Products manufactured by Seller and sold hereunder shall be free from defects in material or workmanship under normal use and service for the warranty period. The final assembled Products shall be new although they may include certain used, reworked or refurbished parts and components (e.g., circuit boards) that comply with performance and reliability specifications and controls. Seller's obligation under this warranty is limited, at Seller's option, to the repair or replacement of the Product or any part thereof. Unless otherwise set forth in the Product Warranty attached hereto and incorporated herein by reference ("Product Warranty"), the warranty period shall commence upon the earlier of the date that the Products have been installed in accordance with Section 12.5 hereof (which date shall be confirmed in writing by Seller) or first patient use, and shall continue for twelve (12) consecutive months. Seller makes no warranty for any Products made by persons other than Seller or its affiliates, and Purchaser's sole warranty therefor, if any, is the original manufacturer's warranty, which Seller agrees to pass on to Purchaser, as applicable. The warranty provided by Seller under this Section 10 extends only to the original Purchaser, unless the Purchaser obtains the Seller's prior written consent with respect to any sale or other transfer of the Products during the term of the warranty.

10.2 No warranty extended by Seller shall apply to any Products which have been damaged by fire, accident, misuse, abuse, negligence, improper application or alteration or by a force majeure occurrence as described in Section 9 hereof or by the Purchaser's failure to operate the Products in accordance with the manufacturer's instructions or to maintain the recommended operating environment and line conditions; which are defective due to unauthorized attempts to repair, relocate, maintain, service, add to or modify the Products by the Purchaser or any third party or due to the attachment and/or use of non-Seller supplied parts, equipment or software without Seller's prior written approval; which failed due to causes from within non-Seller supplied equipment, parts or software including, but not limited to, problems with the Purchaser's network; or which have been damaged from the use of operating supplies or consumable parts not approved by Seller. In addition, there is no warranty coverage for any transducer or probe failure due to events such as cracking from high impact drops, cable rupture from rolling equipment over the cable, delamination from cleaning with inappropriate solutions, or TEE bite marks. Seller may effectuate any repairs at Purchaser's facility, and Purchaser shall furnish Seller safe and sufficient access for such repair. Repair or replacement may be with parts or products that are new, used or refurbished. Repairs or replacements shall not interrupt, extend or prolong the term of the warranty. Purchaser shall, upon Seller's request, return the non-complying Product or part to Seller with all transportation charges prepaid, but shall not return any Product or part to Seller without Seller's prior written authorization. Purchaser shall pay Seller its normal charges for service and parts for any inspection, repair or replacement that falls outside of Seller's warranty. Seller's warranty does not apply to consumable materials, disposables, supplies, accessories and collateral equipment, except as specifically stated in writing or as otherwise set forth in the Product Warranty.

10.3 This warranty is made on condition that immediate written notice of any noncompliance be given to Seller and Seller's inspection reveals that Purchaser's claim is covered under the terms of the warranty (i.e., that the noncompliance is due to traceable defects in original materials and/or workmanship).

10.4 Purchaser shall provide Seller with both on-site and remote access to the Products. The remote access shall be provided through the Purchaser's network as is reasonably necessary for Seller to provide warranty services under this Agreement. Remote access will be established through a broadband internet-based connection to either a Purchaser owned or Seller provided secure end-point. The method of connection will be a Peer-to-Peer VPN IPsec tunnel (non-client based) with specific inbound and outbound port requirements.

10.5 Warranty service will be provided without charge during Seller's regular working hours (8:30-5:00), Monday through Friday, except Seller's recognized holidays. If Purchaser requires that service be performed outside these hours, such service can be made available at an additional charge, at Seller's then current rates. The obligations of Seller described in this Section are Seller's only obligations and Purchaser's sole and exclusive remedy for a breach of product warranty.

10.6 SELLER MAKES NO WARRANTY OTHER THAN THE ONE SET FORTH HEREIN AND IN THE PRODUCT WARRANTY. SUCH WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO ANY EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSES, AND SUCH CONSTITUTES THE SOLE AND EXCLUSIVE WARRANTY MADE WITH RESPECT TO THE PRODUCTS, SERVICE OR OTHER ITEM FURNISHED UNDER THIS AGREEMENT.

10.7 In the event of any inconsistencies between the terms of this Section 10 and the terms of the Product Warranty, the terms of the Product Warranty shall prevail.

11. LIMITATION OF LIABILITY

11.1 In no event shall Seller's liability hereunder exceed the actual loss or damage sustained by Purchaser, up to the purchase price of the Products. The foregoing limitation of liability shall not apply to claims for bodily injury or damages to real property or tangible personal property to the extent arising from Seller's negligence or a product defect.

11.2 SELLER SHALL NOT BE LIABLE FOR ANY LOSS OF USE, REVENUE OR ANTICIPATED PROFITS; COST OF SUBSTITUTE PRODUCTS OR SERVICES; LOSS OF STORED, TRANSMITTED OR RECORDED DATA; OR FOR ANY INDIRECT, INCIDENTAL, UNFORESEEN, SPECIAL, PUNITIVE OR CONSEQUENTIAL DAMAGES WHETHER BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY OR FORM OF ACTION, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY THEREOF, ARISING OUT OF OR IN CONNECTION WITH THIS

AGREEMENT OR THE SALE OR USE OF THE PRODUCTS. THE FOREGOING IS A SEPARATE, ESSENTIAL TERM OF THIS AGREEMENT AND SHALL BE EFFECTIVE UPON THE FAILURE OF ANY REMEDY, EXCLUSIVE OR NOT.

12. INSTALLATION - ADDITIONAL CHARGES

12.1 General. Unless otherwise expressly stipulated in writing, the Products shall be installed by and at the expense of Seller except that Seller shall not provide rigging or site preparation services unless otherwise agreed to in writing by Seller for an additional charge. Seller will not install accessory items such as cabinets, illuminators, darkroom equipment or processors for X-Ray and CT equipment, unless otherwise agreed to in writing by Seller.

12.2 Installation by Seller. If Seller specifies it will install the Products, the following applies: subject to fulfillment of the obligations set forth in Section 12.3 below, Seller shall install the Products and connect them to the requisite safety switches and power lines to be installed by Purchaser. Except as otherwise specified below, if such installation and connection are performed by Seller's technical personnel, prices shown include the cost thereof, provided that the installation and connection can be performed within the Continental United States or Puerto Rico and during normal business hours. Any overtime charges or other special expenses shall be additional charges to the prices shown.

12.3 Purchaser's Obligations. Purchaser shall, at its expense, provide all proper and necessary labor and materials for plumbing service, carpentry work, conduit wiring, and other preparations required for such installation and connection. All such labor and materials shall be completed and available at the time of delivery of the Products by Seller. Additionally, Purchaser shall provide free access to the installation site and, if necessary, safe and secure space for storage of Products and equipment prior to installation by Seller. Purchaser shall be responsible, at its sole cost and expense, for obtaining all permits, licenses and approvals required by any federal, state or local authorities in connection with the installation and operation of the Products, including but not limited to any certificate of need and zoning variances. Purchaser shall provide a suitable environment for the Products and shall ensure that its premises are free of hazardous conditions and any concealed or dangerous conditions and that all site requirements are met. Seller shall delay its work until Purchaser has completed the removal of any hazardous materials or has taken any other precautions and completed any other work required by applicable regulations. Purchaser shall reimburse Seller for any increased costs and expenses incurred by Seller that are the result of or are caused by any such delay. In the event that Seller is requested to supervise the installation of the Products, it remains the Purchaser's responsibility to comply with local regulations. Seller is not an architect and all drawings furnished by Seller are not construction drawings. If local labor conditions, including a requirement to use union labor, require the use of non-Seller employees to participate in the installation of the Product or otherwise causes delays or any additional expenses, then any such additional costs shall be at Purchaser's expense.

12.4 Regulatory Reporting. In the event that any regulatory activity is performed by anyone other than Seller's authorized personnel, then Purchaser shall be responsible for fulfilling any and all reporting requirements.

12.5 Completion of Installation. Installation shall be complete upon the conclusion of final calibration and checkout under Seller's standard procedures to verify that the Products meet applicable written performance specifications. Notwithstanding the foregoing, first use of the Products by Purchaser, its agents or employees for any purpose after delivery shall constitute completion of installation.

13. PATENT, COPYRIGHT AND OTHER INFRINGEMENT CLAIMS

13.1 Infringement by Seller. Seller warrants that the Products manufactured by Seller and sold hereunder do not infringe any U.S. patent or copyright. If Purchaser receives a claim that any such Products, or parts thereof, infringe upon the rights of others under any U.S. patent or copyright, Purchaser shall notify Seller immediately in writing. Provided that Purchaser gives Seller information, assistance and exclusive authority to evaluate, defend and settle such claims, Seller shall at its own expense and option: indemnify and defend Purchaser against such claims; settle such claims; procure for Purchaser the right to use the Products; or remove or modify them to avoid infringement. If none of these alternatives is available on terms reasonable to Seller, then Purchaser shall return the Products to Seller and Seller shall refund to Purchaser the purchase price paid by Purchaser less reasonable depreciation for Purchaser's use of the Products. The foregoing states Seller's entire obligation and liability, and Purchaser's sole remedy, for claims of infringement.

13.2 Infringement by Purchaser. If some or all of the Products sold hereunder are made by Seller pursuant to drawings or specifications furnished by Purchaser, or if Purchaser modifies or combines, operates or uses the Products other than as specified by Seller or with any product, data, software, apparatus or program not provided or approved by Seller, then the indemnity obligation of Seller under Section 13.1 shall be null and void.

14. DESIGNS AND TRADE SECRETS; LICENSE; CONFIDENTIALITY

14.1 Any drawings, data, designs, software programs or other technical information supplied by Seller to Purchaser in connection with the sale of the Products shall remain Seller's property and shall at all times be held in confidence by Purchaser.

14.2 For all Products which utilize software for their operation, such "Applications Software" shall be licensed to Purchaser under the terms of Seller's Software License Schedule attached hereto.

14.3 Seller and Purchaser shall maintain the confidentiality of any information provided or disclosed to the other party relating to the business, customers and/or patients of the disclosing party, as well as this Agreement and its terms (including the pricing and other financial terms under which the Purchaser will be purchasing the Products). Each party shall use reasonable care to protect the confidentiality of the information disclosed, but no less than the degree of care it would use to protect its own confidential information, and shall only disclose the other party's confidential information to its employees and agents having a need to know this information. The obligations of confidentiality set forth herein shall not apply to any information in the public domain at the time of disclosure or that is required to be disclosed by court order or by law.

15. ASSIGNMENT

15.1 Neither party may assign any rights or obligations under this Agreement without the prior written consent of the other, which shall not be unreasonably withheld. Any attempt to do so shall be void, except that Seller may assign this Agreement without consent to any subsidiary or affiliated company, and may delegate to authorized subcontractors or service suppliers any work to be performed under this Agreement so long as Seller remains liable for the performance of its obligations under this Agreement. This Agreement shall inure to and be binding upon the parties and their respective successors, permitted assigns and legal representatives.

16. COSTS AND FEES

16.1 In the event that any dispute or difference is brought arising from or relating to this Agreement or the breach, termination or validity thereof, the prevailing party shall be entitled to recover from the other party all reasonable attorneys' fees incurred, together with such other expenses, costs and disbursements as may be allowed by law.

17. MODIFICATION

17.1 This Agreement may not be changed, modified or amended except in writing signed by duly authorized representatives of the parties.

18. GOVERNING LAW; WAIVER OF JURY TRIAL

18.1 This Agreement shall be governed by the laws of the state where the Product(s) will be installed, without regard to that state's choice of law principles.

18.2 EACH OF THE PARTIES EXPRESSLY WAIVES ALL RIGHTS TO A JURY TRIAL IN CONNECTION WITH ANY DISPUTE UNDER THIS AGREEMENT.

19. COST REPORTING

19.1 Purchaser agrees that it must fully and accurately report prices paid under this Agreement, net of all discounts, as required by applicable law and contract, including without limitation 42 CFR §1001.952(h),in all applicable Medicare, Medicaid and state agency cost reports. Purchaser shall retain a copy of this Agreement and all other communications regarding this Agreement, together with the invoices for purchase and permit agents of the U.S. Department of Health and Human Services or any state agency access to such records upon request.

20. INTEGRATION

20.1 These terms and conditions, including any attachments or other documents incorporated by reference herein, constitute the entire, complete and exclusive statement of agreement with respect to the subject matter hereof, and supersede any and all prior agreements, understandings and communications between the parties with respect to the Products. Purchaser's additional or different terms and conditions stated in a purchase order, bid documents or any other document issued by Purchaser are specifically rejected and shall not apply to the transactions contemplated under this Agreement.

21. SEVERABILITY; HEADINGS
21.1 No provision of this Agreement which may be deemed unenforceable will in any way invalidate any other portion or provision of this Agreement. Section headings are for convenience only and have no substantive effect.

22. WAIVER
22.1 No failure and no delay in exercising, on the part of any party, any right under this Agreement will operate as a waiver thereof, nor will any single or partial exercise of any right preclude the further exercise of any other right.

23. NOTICES
23.1 Any notice or other communication under this Agreement shall be deemed properly given if in writing and delivered in person or mailed, properly addressed and stamped with the required postage, to the intended recipient at its address specified on the face hereof.

24. RIGHTS CUMULATIVE
24.1 The rights and remedies afforded to Seller under this Agreement are in addition to, and do not in any way limit, any other rights or remedies afforded to Seller by any other agreement, by law or otherwise.

25. END USER CERTIFICATION
25.1 Purchaser represents, warrants and covenants that it is acquiring the Products for its own end use and not for reselling, leasing or transferring to a third party (except for lease-back financings).

26. ACCESS TO BOOKS AND RECORDS
26.1 To the extent required by Section 1861(v)(1)(I) of the Social Security Act and the regulations promulgated thereunder, until the expiration of four (4) years after the furnishing of any Product or service pursuant to this Agreement, Seller shall make available, upon written request by the Secretary of Health and Human Services (the "Secretary"), or upon request by the Comptroller General (the "Comptroller"), or any of their duly authorized representatives, copies of this Agreement and any books, documents, records or other data of Seller that are necessary to certify the nature and extent of any costs incurred by Purchaser for such Products and services. If Seller carries out any of its duties under this Agreement through a subcontract with a related organization involving a value or cost of ten thousand dollars ($10,000) or more over a twelve (12) month period, Seller will cause such subcontract to contain a clause to the effect that, until the expiration of four (4) years after the furnishing of any Product or service pursuant to said contract, the related organization will make available upon the written request of the Secretary or the Comptroller, or any of their duly authorized representatives, copies of records of said related organization that are necessary to certify the nature and extent of cost incurred by Purchaser for such Product or service.

27. DISPOSITION OF PRODUCTS
27.1 Purchaser expressly agrees that should Purchaser sell, transfer or otherwise dispose of the Products, Purchaser shall notify Seller in writing and give Seller the opportunity to purchase such Products. With Purchaser's notice, Purchaser shall provide Seller with a copy of the third party's binding offer to purchase the Products and Seller shall have seven (7) days to notify the Purchaser of an offer to purchase the Products.

05/15 Rev.

Siemens Medical Solutions USA, Inc.
40 Liberty Boulevard, Malvern, PA 19355
Fax: (208) 884-0147

SIEMENS REPRESENTATIVE
Bryan Niver - (907) 250-6291

Software License Schedule
to the Siemens Medical Solutions USA, Inc. General Terms and Conditions

1. DEFINITIONS: The following definitions apply to this Schedule:
"**Agreement**" shall mean the attached (i) Quotation for Products and/or Services including the Terms and Conditions of Sale and applicable schedules; and/or (ii) Software License Agreement describing the software licensed herein and the specific system for which the license is issued.
"**Licensor**" shall mean Siemens Medical Solutions USA, Inc.
"**Licensee**" shall mean the end-user to whom Licensor provides Software or Documentation for its internal use under the Agreement.
"**Software**" shall mean the software described in the attached Agreement, including the following as contained therein: (i) software programs consisting of a series of statements or instructions to be used directly or indirectly in a programmable controller or computer to bring about a certain result and (ii) databases consisting of systemized collections of data to be used or referenced directly or indirectly by a programmed controller or computer. Notwithstanding the foregoing, "Software" does not include "firmware" as such term is conventionally understood. Diagnostic/Maintenance Software also is not included within the scope of the Software licensed under this Schedule, and is available only as a special option under a separate Diagnostic Materials License Agreement and may be subject to a separate licensing fee.
"**Documentation**" shall mean the documents and other supporting materials which are intended to support the use of an associated product, including (but not limited to) instructions, descriptions, flow charts, logic diagrams and listings of the Software, in text or graphic form, on machine readable or printed media.
"**Designated Unit**" shall mean a single control unit or computer identified on the first page of the Agreement, on which Software licensed hereunder may be used by Licensee.
2. SCOPE: The following terms and conditions shall apply to all Software and Documentation provided by Licensor to Licensee under the Agreement (whether included with other products listed in the Agreement or listed separately in the Agreement), together with any updates or revisions thereto which Licensor may provide to Licensee, and all copies thereof, except any Software and/or Documentation licensed directly by Licensor's supplier under a separate end-user license agreement accompanying the Software or the Documentation, in which case Licensee agrees to be bound by that license agreement as a condition to using the Software and/or Documentation. Except as expressly provided herein, and provided that in no event shall the warranties or other obligations of Licensor with respect to such Software or Documentation exceed those set forth in this Schedule, this Schedule shall be subject to the liability limitations and exclusions and other terms and conditions set forth in the Agreement. **ANY USE OF THE SOFTWARE, INCLUDING BUT NOT LIMITED TO USE ON THE DESIGNATED UNIT, WILL CONSTITUTE LICENSEE'S AGREEMENT TO THIS SOFTWARE LICENSE SCHEDULE (OR RATIFICATION OF ANY PREVIOUS CONSENT).**
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(c) The Software may contain support for programs written in Java. Java technology is not fault tolerant and is not designed, manufactured, or intended for use or resale as online control equipment in hazardous environments requiring fail-safe performance, such as in the operation of nuclear facilities, aircraft navigation or communication systems, air traffic control, direct life support machines, or weapons systems, in which the failure of Java technology could lead directly to death, personal injury, or severe physical or environmental damage. Sun Microsystems, Inc. has contractually obligated Licensor's supplier to make this disclaimer.

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TRADE-IN EQUIPMENT REQUIREMENTS

THE FOLLOWING APPLIES ONLY TO THE EXTENT THAT THE QUOTATION INCLUDES AN EQUIPMENT TRADE-IN. THESE REQUIREMENTS ARE IN ADDITION TO ANY OTHER REFERENCED TERMS AND CONDITIONS ON THE QUOTATION AND SHALL REMAIN IN EFFECT REGARDLESS OF ANY CONTRARY LANGUAGE IN THE QUOTATION.

This Quotation includes the trade-in equipment described herein and referenced by either the Project Number identified in the Quotation hereof (non-ultrasound) or the Trade Allowance Part Number (Ultrasound) as further described in the associated Trade Sheet which is incorporated herein by reference. Purchaser certifies that the description of the trade-in equipment as set forth on the Trade Sheet is a true and accurate representation of the equipment, and that the equipment is in good working condition unless otherwise noted on the Trade Sheet.

The trade-in equipment must be made available for removal no later than turnover of the new equipment. Purchaser must vacate the room of all items not listed on the Trade Sheet, or otherwise clearly identify all items listed on the Trade Sheet, prior to the start of the de-installation. If this is not done, Seller will have no liability for items which are subsequently removed or scrapped. If the de-installation or return of the trade-in equipment is delayed by Purchaser for reasons other than a force majeure event, or if upon inspection by Seller it is determined that the equipment does not meet the manufacturer's operating specifications, or if any items listed as included on the Trade Sheet are not made available at the time of de-installation, then trade-in value will be re-evaluated and any loss in value or additional costs incurred by Seller shall be deducted from the established trade-in value and the pricing set forth on this Quotation will be adjusted by change order. In the event that access to the non-ultrasound trade-in equipment is denied past 14 days from turnover, or access to ultrasound trade-in equipment is denied past 30 days from turnover, then Purchaser shall pay to Seller a rental fee in the amount 3.5% of the total trade-in value plus any additional value provided by an Elevate/Promotional program included in this quotation (no less than $1000) for each month, or part thereof, that access is denied. In addition, if the purchase and installation of the new equipment covered by this Quotation is not completed, then Seller shall invoice Purchaser for all costs and expenses incurred by Seller in connection with the de-installation and removal of the trade-in equipment, including but not limited to labor, materials, rigging out, and transportation, which costs shall be paid by Purchaser within thirty (30) days of the invoice date.

Purchaser further acknowledges and agrees that (i) the trade-in equipment will be free and clear of all liens and encumbrances including, but not limited to, unpaid leases and loans, and that upon request, it will execute a bill of sale or other documents reasonably satisfactory to Siemens to transfer title and ownership of the equipment to Seller, (ii) it is Purchaser's sole responsibility to delete all protected health information and any other confidential information from the equipment prior to de-installation, without damaging or cannibalizing the equipment or otherwise affecting the operation of the equipment in accordance with its specifications, (iii) the equipment, including all updates, upgrades, modifications, enhancements, revisions, software, S/W disks and manuals, shall be returned to Siemens in good operating condition, reasonable wear and tear excepted, and (iv) to the extent not prohibited by applicable law, Purchaser shall indemnify and hold Seller harmless from and against any and all claims, demands, causes of action, damages, liability, costs and expenses (including reasonable attorney's fees) resulting or arising from Purchaser's failure to comply with item (i) above.

FOR MR SYSTEMS: cryogen levels must be least 65% upon time of de-installation. FOR MOBILE SYSTEMS: system must be road worthy and a state issued title transferring ownership to Seller (or Designee) must be received prior to the removal of the mobile system. FOR MODALITY TRADE SYSTEMS (non-ultrasound): The trade-in equipment must be available for inspection within two weeks of the scheduled de-installation date. In addition, Purchaser must provide a clear path for the removal of the trade-in equipment. Any additional costs due to the need to use a larger rig (other than a standard 80 ton rig), as well as any construction activities, street closings, permits, etc., required to de-install/remove the equipment are out-of-scope costs and will be the responsibility of Purchaser.

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XP Warranty Information for XP RF / XP WH / XP SU Mobile Units only

Product (New Systems and "ECO" Refurbished Systems Only)	**Period of Warranty**[1]	**Coverage**	
X-Ray System (not including consumables)	12 months	Full Warranty (parts & labor)	
Following parts will include warranty as listed below:			
Image Intensifier Tubes (Sirecon, Optilux)	First 12 months Months 13 through 24	Prorated credit given to customer against replacement cost, parts only	credit percentage = (24 - months in use) / 24*100
Flat Panel Detectors (e,g, Pixium, PaxScan, Canon, LMAM)	First 12 months Months 13 through 36	Prorated credit given to customer against replacement cost	credit percentage = (36 - months in use) / 36*100
General Diagnostic tubes (Opti, Optitop) Mammography tubes (P40/single tank unit) Single tank tubes (Polyphos,P125-135, (Sirephos, SR)	12 months		
Single tank x-ray tubes (Powerphos)	Prorated to a maximum of 80,000 SLU[2] or 12 months whichever occurs first	Prorated credit given to customer against replacement cost	credit percentage = (80,000 - SLU used) / 80,000*100
Control Triodes for Generators	Prorated to a maximum of 12 months	Prorated credit given to customer against replacement cost	credit percentage = (12 - months in use) / 12*100
TV Camera tubes (exposure tubes) and cathode-ray tubes (CRT)	Prorated to a maximum of 12 months	Prorated credit given to customer against replacement cost	credit percentage = (12 - months in use) / 12*100
Consumables	Not covered		
Post-Warranty (after expiration of system warranty) – Replacement parts only!			
Items above	As described above, but parts only	As described above, but parts only	As described above, but parts only
Spare parts	6 months	Parts only	

Note: Optional extended warranty coverage can be obtained by purchase of a service agreement.

[1] Period of warranty commences from the date of first use or completion of installation, whichever occurs first.,. In the event the completion of installation is delayed for reasons beyond Siemens' control, the stated warranty period shall commence 60 days after delivery of equipment.

[2] SLU: Siemens Load Unit (1 exposure or 2 seconds cine DCM (Digital Cine Mode) or 15 seconds Digital Pulsed Fluoroscopy (DPF)

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Detailed Technical Specifications

Multix Fusion - Digital

Part No. / Product	Description
14443207 **Multix Fusion wireless detector**	**System configuration** Multix Fusion digital is a universal digital radiographic workplace with one wireless detector for image acquisition. The Multix Fusion digital workplace is especially suited for a high patient load. As a universal workplace, the system is primarily used in X-ray departments of hospitals, in radiological and partly radiological offices with high patient throughput and standardized acquisition technology. Basic system components: - A ceiling-mounted tube assembly support with X-ray tube assembly and multileaf collimator. - A mobile flat panel detector in lifting table, bucky wall stand or mobile detector holder. The table, bucky wall stand and mobile detector holder are optional. - An imaging and control station with application and evaluation programs, as well as DICOM system interfaces. - CD/DVD drive for automatic, digital image storage on CD-R/DVD for offline data exchange in DICOM format. - A high-frequency X-ray generator with multipulse waveform (see text for the corresponding components). **Tube assembly support** With X-ray tube assembly and multileaf collimator. All projection-relevant tube assembly positions can be manually adjusted with handles symmetrically mounted to the tube assembly collimator unit. The ceiling-mounted tube assembly support can be adjusted as followed: - Horizontal travel range in longitudinal direction 352 cm (optional 637.5 cm). - Horizontal travel range in transverse direction 220 cm (optional 355 cm). - Vertical lift 180 cm. The X-ray tube assembly with multileaf collimator can be swiveled manually around the vertical axis of the tube support, e.g. for free bedside acquisitions, and around the horizontal axis for oblique and lateral acquisition or acquisitions on a Bucky wall unit (option): - Between -154° and +182° around the vertical axis of the tube assembly support. Detents at 0°, ±90°, and +180°. - ±120° around the horizontal axis of the tube assembly support arm. Detents at 0° and ±90°. X-ray tube assembly OPTITOP 150/40/80 HC-100: Single-track dual-focus rotating anode tube with compound anode (rhenium-tungsten, molybdenum, graphite), with high heat storage capacity and high load capacity for small focal spots. Integrated overpressure safety device in the tube protective housing. - 150 kV nominal voltage acc. to IEC 613. - Nominal power (focal spot nominal values acc. to IEC 336): 40 kW: small focus 0.6 80 kW: large focus 1.0 - Anode speed ≥ 8,500 r/min, anode angle 12°. - Heat storage capacity of the anode 580 kJ (783 kHU) acc. to IEC 613. - Total filtration (IEC 601-1-3) ≥ 2.5 mm Al equiv. <u>Multileaf collimator:</u> With full field and laser line light localizer. Rectangular collimation. - Multileaf collimator rotatable by ±45° around the center beam axis, e.g. for correct positioning of objects. - A tape measure is integrated to check the focus-to-object distance.

Part No. / Product	Description
(Continued) **14443207** **Multix Fusion wireless detector**	- To reduce the patient input dose, copper filters (0.1 mm, 0.2 mm and 0.3 mm) can be swiveled into the primary radiation beam. These filter out the low-energy radiation components of the beam. Option: A measuring chamber for the dose area product can be integrated into the multileaf collimator. **Wireless Flat Panel Detector** The detector tray includes: - A device for symmetric positioning of the flat detector. - IONTOMAT three-field chamber for automatic exposure control. - A transparent oscillating grid. Grid focusing for source - detector distance 115 cm for table, 115/150/180 for bucky wall stand. For pediatric acquisitions, the grid can be removed from the beam projection. In total, 3 batteries (including one battery in the detector) are provided. A battery charger is provided for battery charging. Together with the detector, the user can also choose bucky wall stand, lifting table,or mobile detector holder for patient with limited mobility. **Controls and displays at the tube support and multileaf collimator** The control elements at the tube assembly and the multileaf collimator are ergonomically arranged for single-handed operation. Controls and displays at the tube assembly support : Multifunctional control display with color touchscreen for adaptation of acquisition parameters directly in the examination room. Displays include: - The collimation size of the acquisition field (in cm x cm). - The selected SID. - The selected Cu additional filters. - Rotation from the 0-position (ceiling support). - Tube assembly and detector centering. - Operating states such as "ACSS/Manual", "Ready", "Selected", etc. The display follows the tube assembly orientation. The following functions can be set manually at the multileaf collimator: - Full field light localizer with timer for optical display of the collimated acquisition format and an optionally coverable laser line light localizer. - The collimation of the acquisition format set last can be retrieved via a memory button. - The rectangular collimation of the radiation field is pre-defined through the organ program and can be set manually by means of two dials. - The motorized insertion of the Cu additional filters is controlled via the organ program, but can also be selected manually. **Imaging and control station** The entire control and communication of the radiography system incl. digital image processing takes place from a central operating site - the imaging and control station. More than 1000 organ programs can be stored, customized and arranged in exam sets. It includes: - A high-end PC imaging system, based on Windows XP. Storage of original data 14 bit. Storage of image data 12 bit. Storage capacity approx. 10,000 images.

Part No. / Product	Description
(Continued) **14443207** **Multix Fusion wireless detector**	- Keyboard and mouse. - One 19" color or flat-screen or diagnostic display as control display. - Manual switch for exposure release. **Functions of the imaging and control station** Patient and study administration: - Importing of patient lists and examinations from the HIS/RIS. - Manual patient registration. - Patient, study and image data management. - Configuration functions. Acquisition and postprocessing: - Organ program selection and configuration. - Selection of generator and collimator parameters. Parameterization of image preprocessing: enhancement, harmonization, edge enhancement and look-up tables (LUT). - Display of current acquisition in 9 s max. (preview); complete image 10 s max. - Display of image markings (L/R, a-p/p-a). - DiamondView Plus: multi-scaling procedure for image post-processing with high detail contrast and reduced noise. DiamondView is a multi-scale procedure, i.e. filter size and strength are weighted differently and are used for adaptation to the overall image content. - DiamondView enhances the signal exploitation of the dynamic range and improves the organ-specific detail contrast (soft tissue and bone). - DiamondView can be selected via the "Postprocessing card". - By entering "0", the image can be displayed without DiamondView. Image processing functions: - Image rotation. - Horizontal/vertical image mirroring. - Image zoom. - Pan. - Windowing. - Filters for edge enhancement and noise reduction. Image documentation and archiving: - Image transfer into the network. - Automatic, user-configurable data distribution (DICOM Send, see also system interfaces DICOM). - Automatic filming with virtual film sheet (DICOM Print, see also system interfaces DICOM). - Image data export (12 bit) on CD/DVD. **Workflow** The routine workflow is mostly automated, manual operations such as loading and transportation of cassettes are no longer necessary: - Prior to exposure the patient data is transferred via the patient management system (HIS/RIS: option) or entered through the control console. The exposure parameters are selected through the organ programs. - Then the patient or the acquisition system is positioned and exposure is released. - The exposure released at the central system control is read out within a few seconds by the detector. It is displayed at the control display for orientation and made available in DICOM format at the imaging system output for sending e.g. to reporting workstations, image networks, laser cameras, etc. - Clinical Assurance Program (CAP): Collection of deleted images, studies and patient data, including evaluation capabilities. Password protection:

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Part No. / Product	Description
(Continued) **14443207** **Multix Fusion wireless detector**	System access protected by password. **DICOM system interfaces** - DICOM Send: sending of images into the DICOM network. The DICOM Send function enables fully automatic transfer of generated image data to a DICOM archive or a DICOM workstation. The user can perform his examinations without interruption while the system fully automatically transfers the images to the archive. This image data transfer takes place entirely in the background and thus does not affect acquisitions performed at the same time. - DICOM Storage Commitment (StC): feedback from the image archive. The DICOM StC function automatically gives feedback on whether the generated image data were successfully transferred. This way the user can be sure that the acquisitions stored locally in the imaging system can be deleted. - DICOM Print: printing of images by means of a virtual filmsheet on a DICOM laser camera. Selecting "Auto-Print" automatically forwards the images stored in the virtual filmsheet to the laser camera. This optimizes the workflow, eliminating the need for user interaction. In addition, a specific layout can be configured on the virtual filmsheet, which the user can review and edit on the monitor at any time. As a result, printing is only required after the layout has been optimized on the monitor, saving time and costs. Options: - DICOM Modality Worklist/MPPS (if offered, see tender further down). - DICOM Query/Retrieve (if offered, see tender further down). **Note concerning DICOM interface(s)** For diagnostic purposes, only hardcopy cameras/laser printers explicitly approved for this system may be used. The description in the "DICOM Conformance Statement" downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s). Functionalities across system borders with/between partner systems require explicit validation, since the interpretation of the interface by the partner/target system is not part of the product's responsibility. A modification of the interface that might be required is not included in the offer; e.g. for the rare case, that available configurations are not sufficient. With regard to expenses for interface configurations that might be required, the agreements on maintenance/service of the product apply. ***syngo* Remote Assist** *syngo* Remote Assist is a standalone service option. With *syngo* Remote Assist, Siemens uses a secure broadband VPN connection (VPN = virtual private network) to establish a connection to your Siemens imaging console in order to offer you direct, real-time support and training. This seamless and simultaneous virtual interaction will contribute to improvements in image quality and optimization of system use. **Siemens Remote Service** Prepared for optional Siemens Remote Service SRS™ (during warranty period, subsequently with service contract): - Hardware and software remote diagnosis. - System remote configuration, e.g. adding of a DICOM node. - Early warning system to secure system operation. - Functions according to the selected maintenance package. **Customer Care. Life - the customer care solution by Siemens Healthcare** From the moment you purchase your Siemens system you will benefit from many services that are offered by Customer Care. Life* offers, e.g.: - initial application training, - interactive e-learning for various applications, - free customer magazines, - arrangements for clinical training via a global network, - and free trial licenses

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Part No. / Product	Description
(Continued) **14443207** **Multix Fusion wireless detector**	You will find detailed information on our e-learning program and further details on general Customer Care. Life services on the internet. * Not all services of the Customer Care. Life offerings are necessarily available for all systems.
14428776 **ACSS celing support + tracking, 3m**	Ceiling-mounted tube assembly support, with tube assembly and multileaf collimator for vertical, oblique, horizontal, and lateral acquisitions. - Travel range of the tube assembly support in patient longitudinal direction is 352 cm and 220 in transverse Support with freely positionable locks, e.g. center position locks. - Longitudinal and transverse adjustments of the tube assembly support can be done manually. - Vertical lift of the tube assembly - multileaf collimator unit 180 cm. The X-ray tube assembly with multileaf collimator can be swiveled manually around the vertical axis of the tube support, e.g. for free bedside acquisitions, and around the horizontal axis for oblique and lateral acquisition or acquisitions on a Bucky wall unit (option): - Between +154° and -182° around the vertical axis of the tube assembly support. Lock-in positions at 0°, ±90°, and -180°. - ±120° around the horizontal axis of the tube assembly support arm. Detents at 0° and ±90°. **Multileaf collimator:** Rectangular collimation with full field and laser line light localizer for optical display of the collimated exposure format. - Exposure format collimation is done by ACSS automatic format collimation, i.e. through automatic collimation of the selected film format. Collimation can be manually adjusted at the multileaf collimator by means of two dials. - Multileaf collimator rotatable by ±45° around the center beam axis, e.g. for correct positioning of objects. - To reduce the patient input dose, copper filters (0.1 mm, 0.2 mm and 0.3 mm) can be swiveled into the primary radiation beam. These filter out the low-energy radiation components of the beam. - Option: A measuring chamber for the dose area product can be integrated into the multileaf collimator. Controls and displays on the tube assembly support: - Longitudinal and transverse adjustments of the tube assembly position can be done manually with handgrips symmetrically attached at the tube assembly. - By means of these handgrips the tube assembly with multileaf collimator can be manually rotated into the desired acquisition positions. - Digital SID display with vertical and horizontal beam projection. Outside of the vertical and horizontal beam projection automatic switch-over to digital angle display. Display at the control panel of the tube assembly support arm. The following functions can be set manually at the multileaf collimator: - Switch-on of full-field and laser line light localizer for optical indication of the collimated exposure format. Light localizers with timer. - Insertion of Cu prefilters into the beam projection. Displays at the multileaf collimator: - Collimation size of the acquisition field - Text display of the currently inserted Cu filters at the multileaf collimator. Optional accessories for the multileaf collimator: For density compensation for acquisitions in the areas of the pelvis, foot, shoulder, thoracic spine, lumbar spine or the skull, homogenizing filters can be inserted into the accessory rails of the multileaf collimator, if required. **X-ray tube assembly OPTITOP 150/40/80 HC-100** Single track dual focus rotating anode tube with compound anode (rhenium-tungsten, molybdenum, graphite), with high heat storage capacity and high load capacity for small focal spots. Integrated thermal monitoring device and overpressure security device in the X-ray protection housing.

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Part No. / Product	Description
(Continued) **14428776** **ACSS celing support + tracking, 3m**	- 150 kV nominal voltage acc. to IEC 613. - Nominal power (focal spot nominal values acc. to IEC 336), 40 kW: small focus 0.6 80 kW: large focus 1.0 - Anode speed ≥8,500 r/min. Anode angle 12°. - Heat storage capacity of the anode 580 kJ (783 kHU) acc. to IEC 613. Overall filtration (IEC 601-1-3) 2.5 mm Al.
14428787 **Grid, F115**	Technical details: - Grid ratio 10:1, 50 lines/cm - Grid focusing for source-image distance (SID) of 115 cm (45")
14428788 **Grid, F150**	Technical details: - Grid ratio 10:1, 50 lines/cm - Grid focusing for source-image distance (SID) of 150 cm (60")
14428781 **Multix Fusion table**	Height-adjustable patient positioning table with floating tabletop and detector Bucky for cassette loading and mobile FD. - Free access to table and patient from all sides. - Patient positioning tabletop 80 cm x 240 cm - Longitudinal and transverse travel: ±48 cm and ±14 cm (±0.4 cm). (maximum longitudinal coverage without patient repositioning 196 cm) - Height adjustment of the tabletop 44 cm: from 51.5 to 95.5 cm (±0.5 cm). - Radiation absorption ≤ 0.65 mm Al - Grid Pb 10/50 (grid ratio 10:1, 50 lines/cm), focusing for SID 115 cm. - Max. patient weight 300 kg. - Longitudinal movement of detector tray (from edge to edge) ≥100 cm. - With one foot kick switch front - **Accessories** Scope of delivery: - Lateral patient handles: The grips make patient positioning easier, and being able to hold on to the grips gives the patient a feeling of security. An adapter for positioning film/screen cassettes and/or image plate systems also designed for use with a flat detector tray.
14428801 **Foot kick switch Front**	Height adjustment, release, and locking of the floating tabletop are done through a foot kick switch. The foot kick rails are located in the foot area both at the front side and the rear side of the patient positioning table and can be programmed individually at the time of installation. This prevents accidental operation by patients or accompanying persons.
14428792 **Clip-on grid, 10/80, F100**	Highly selective anti-scatter grid for scattered radiation reduction: - Pb 10/80 (grid ratio 10:1, 80 lines/cm). Grid focusing for SID 110 cm / 39.3 inches.
14428665 **19" color flat screen display**	The 19" LCD flat-panel display features a very high contrast even under very bright ambient light conditions. The Gamma curve was precisely adapted to the CIE/DICOM recommendation and is thus suited especially for gray scale display.

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Part No. / Product	Description
(Continued) **14428665** **19" color flat screen display**	LCD color display - 19" (48 cm) screen size - Resolution: 1,280 x 1,024 (pixels) - Maximum brightness (typ.): 280 cd/m^2 - Flicker-free and distortion-free image display - Anti-glare screen The controlled background lighting provides stable lighting throughout the entire product life cycle.
04434028 **DICOM WORKLIST & MPPS**	**DICOM MWL (Modality Worklist):** Import of patient/examination data from an external RIS/HIS patient management system. **DICOM MPPS (Modality Performed Procedure Step):** Sending of dose data, patient data, and examination data to an external RIS/HIS patient management system. **Note concerning DICOM interface(s)** The description in the "DICOM Conformance Statement" downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s). Functionalities across system borders with/between partner systems require explicit validation, since the interpretation of the interface by the partner/target system is not part of the product's responsibility. A modification of the interface that might be required is not included in the offer; e.g. for the rare case, that available configurations are not sufficient. With regard to expenses for interface configurations that might be required, the agreements on maintenance/service of the product apply.
14428794 **CAREmax plus**	Electronics unit with KermaX-Plus, a measurement chamber integrated into the collimator housing for acquisition and fluoro systems with POLYDOROS generator for acquisition of dose-area product and/or standardized patient entry dose. Display of the calculated patient entry dose (CAREwatch) on the flat-screen display, with CAREmax.
08861002 **Patient positioning mattress**	Technical details: - Length: 198 cm (78") - Width: 66 cm (26") (of which 53.5 cm is padded) - Thickness: 2.5 cm (1") - Weight: 2.7 kg (5,9")
14407091 **Wall holder for grid**	Holder with two slots of different widths. Weight: 5.0 kg (11 lbs)
14428785 **Bucky wall stand, tiltable, left**	**System configuration** The Multix Fusion Bucky wall unit is a floor-mounted, stand-alone or wall-mountable Bucky stand with a height-adjustable and tiltable catapult Bucky as image acquisition system. It is especially suited for acquisitions of skeletal radiography: - orthopedic diagnostics - Thorax and general diagnostics. - Trauma and ER diagnostics. With this Bucky wall unit, more profound diagnostic requirements are met for acquisitions of the thorax, abdomen, pelvis, spine, skull and extremities.

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Part No. / Product	Description
(Continued) **14428785** **Bucky wall stand, tiltable, left**	The basic configuration of the Multix Fusion consists of a radiography stand with a vertically positioned and tiltable catapult Bucky for horizontal, oblique or lateral patient acquisitions. The additional tilting range of the catapult Bucky extends the diagnostically relevant acquisition projections. - Vertical height adjustment of the counter-balanced, easily movable catapult Bucky 55 inches/140 cm: between 13 inches/33 cm and 68 inches/173 cm (± 0.8 inches/± 2 cm), cassette center above floor. - Tilting range between 0° and +90°, and up to -20° continuously around the horizontal axis; lock-in position at 0°. - TOP centering of the cassette for thoracic exposures is also possible. **Option** Servo tracking: When servo tracking is selected, the ceiling support automatically follows the height adjustment of the cassette Bucky cabinet. Prerequisite: Basic system (with automatic format collimation ACSS and servo tracking). **Catapult Bucky** The single-hand operation catapult Bucky includes a IONTOMAT three-field chamber for automatic exposure control (incl. three-field templates) and a device for symmetric positioning of cassettes with film transparency systems or storage phosphor screens. - For cassette formats acc. to IEC, DIN and ANSI from 5" x 7" (13 cm x 18 cm) to 14" x 17" (35 cm x 43 cm), vertical and horizontal. - Frontplate - cassette/detector distance ≤ 4.2 cm (cassette) ≤ 4.4 cm (detector). - Radiation absorption of the front plate ≤0.45 mm Al. - A moving, exchangeable transparent grid for scattered radiation reduction. Optionally for SID 115 cm and/or 150 cm and/or 180 cm. For pediatric acquisitions the grid can be removed from the beam projection. Grid: see further down in the offer. **Accessories included in the scope of delivery** - Overhead handle swiveling around horizontal axis for optimum positioning of patient for lateral exposures. - Lateral patient handles for optimum patient positioning, e.g. during PA thorax exposures. **Optional accessories** - Babix holders and covers for infant exposures. Compression belt to secure patient.
14428780 **Generator expansion, 80 kW**	**X-ray generator Polydoros RF RAD 80** High-frequency X-ray generator with multipulse voltage waveform for diagnostic acquisition procedures at workplaces without FL function. The multi-pulse voltage waveform enables high data accuracy, precise reproducibility and short exposure times. - Multi-processor system for organ programs. - Free selection of radiographic parameters. - Electronic generator control during exposure. - Tube load computer with acoustic alarm and interval display. - Integrated automatic exposure control. Generator control console for table and wall design for free and optionally programmed acquisition technique. Rating: - 80 kW at 100 kV acc. to IEC 601-2-7. max. 1000mA at 60 kV 800 mA at 100 kV 640 mA at 125 kV 433 mA at 150 kV - Tube voltage: between 40 kV and 150 kV, adjustable in 25 increments (in whole exposure points) or 49 (in

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Part No. / Product	Description
(Continued) **14428780** **Generator expansion, 80 kW**	half exposure points). - mAs product: from 0.5 mAs to 800 mAs, adjustable in 33 increments (in whole exposure points) or in 65 increments (in half exposure points). Acquisition technology: - Automatic acquisition technology with IONTOMAT PL. - 1-point-technique with continuously falling load (mAs display for 1-point-technique). - 2-point technique with constant load. - 3-point technique with constant load (with touchscreen control console only). Acquisition times: - 1-point technique: 1 ms to 5 s with mAs display. - 2-point technique: 3 ms to 5 s depending on mAs and kV. - 3-point technique: 20 ms to 5 s depending on mAs and kV. Workplaces: - max. 3 selectable workplaces (exposure table, Bucky wall unit, and free acquisition). - One (1) dual focus X-ray tube assembly can be connected. Power connection: 3 phase current: 400 V (-10, +10%); 50/60 Hz. Option: 440/480 V (with pre-transformer).
14409345 **Detector Holder, Mobile** **(Optional)**	The detector holder can be used with the mobile detector, CR and film cassettes / grids from 24 cm x 30 cm to 35 cm x 43 cm (9.5" x 12" to 14" x 17"). Vertical movements are counterbalanced for simple and quick height adjustments. The holder is suitable for cross-table views. The sides of the holder can be quickly extended or retracted to secure different detector / cassette sizes. The holder can be turned, tilted and orientated to suit any examination position infinitely variable. - Dimensions (D x W x H): 109 cm x 61 cm x 179 cm (43" x 24" x 70.5") - Height adjustable from floor level to 129 cm (50.8") - Overhangs table or trolley by up to 62 cm (24.4") - Telescopic width adjustment: 24.5 cm to 53.5 cm (9.7" x 21") - Weight: 55 kg (121 lbs)
14428728 **Lateral detector holder** **(Optional)**	The holder is used to position the detector upright anywhere on the patient tabletop as required for the desired on-table acquisition.

SIEMENS

MULTIX FUSION SYSTEM - DIGITAL / MAX

TYPICAL ROOM PLAN

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MULTIX FUSION SYSTEM - DIGITAL / MAX

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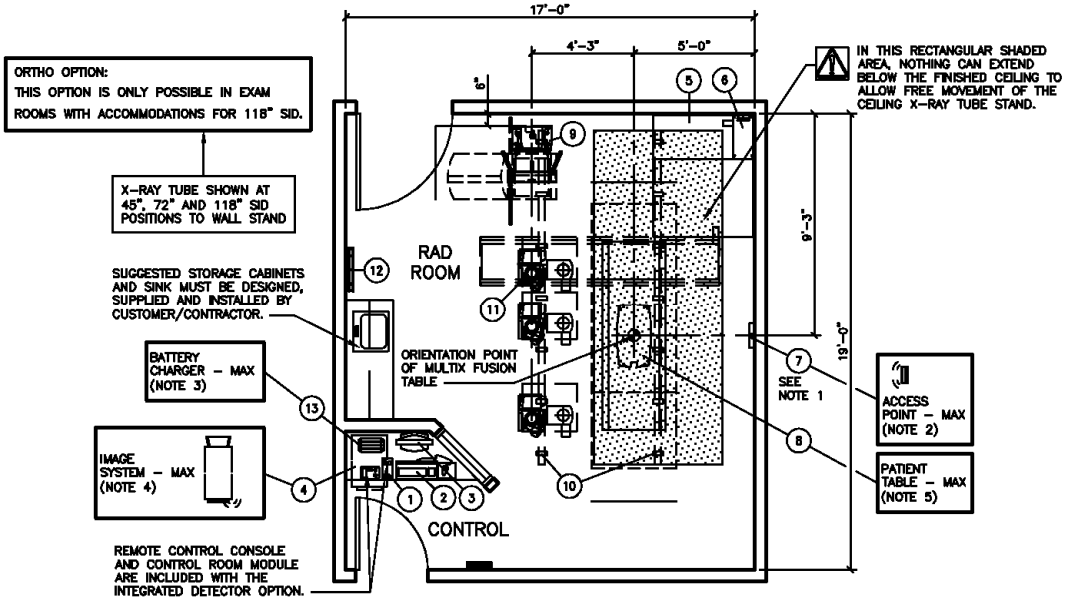

NOTE 1 PLACEMENT OF THE I/O BOX (CLASSIC DIGITAL SYSTEM ONLY):
WITH MOBILE (TETHERED) DETECTOR MUST BE LOCATED WITHIN 2'-9" OF THE BWS
WITH WIRELESS DETECTOR MUST BE LOCATED MIN. 6'-6 3/4" AWAY FROM GENERATOR
NOTE 2 MULTIX FUSION MAX ONLY:
A WALL MOUNTED ACCESS POINT ("AP") IS INCLUDED FOR MAX WI-D INSTEAD OF THE I/O BOX
NOTE 3 MULTIX FUSION MAX ONLY:
MAX BATTERY CHARGER IS AN OPTIONAL ITEM FOR INCLUDED WITH MAX MINI DETECTOR.
NOTE 4 MULTIX FUSION MAX ONLY:
IMAGE SYSTEM FOR MAX ("IS") IS INCLUDED INSTEAD OF THE IMAGE SYSTEM FOR MULTIX FUSION SYSTEM
NOTE 5 MULTIX FUSION MAX ONLY:
PATIENT TABLE IS AVAILABLE WITH FIXED (STATIC) OR MOBILE (WI-D) DETECTOR.

TYPICAL PLAN

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

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MULTIX FUSION SYSTEM - DIGITAL / MAX

SPECIFICATIONS

EQUIPMENT LEGEND

NO	DESCRIPTION	SMS SYM	WEIGHT (LBS)	BTU/HR TO AIR	DIMENSIONS (INCHES) W	D	H	REMARKS
1	CONTROL ROOM MODULE	CM	2	–	4 3/4	10 1/16	3 3/16	ON CUSTOMER'S COUNTER
2	IMAGING SYSTEM – KEYBOARD AND MOUSE		–	–	–	–	–	ON CUSTOMER'S COUNTER
3	FLAT SCREEN CONTROL ROOM DISPLAY		–	–	–	–	–	ON CUSTOMER'S COUNTER
4	(*) IMAGING SYSTEM (UNDER COUNTER)	IS	110	1,468	17 3/4	29	23	
4	(MAX) IMAGING SYSTEM FOR MAX (UNDER COUNTER)	IS	110	1,468	17 3/8	32 1/2	27	*INCLUDES REQUIRED CLEARANCES
5	POLYDOROS RF RAD80 (80 kW) GENERATOR CABINET	PU	424	1,877*	40 3/16	22 1/2	21 3/8	*1,024 IN STANDBY MODE
6	POWER SUPPLY UNIT (ATTACHED TO GENERATOR)		88	512	9 15/16	21 1/2	21 3/8	
7	(*) DETECTOR I/O BOX – WALL MOUNT	I/O	7	–	12 5/16	2 5/16	11	
7	(MAX) ACCESS POINT WITH WALL HOLDER	AP	7	–	8	5 1/2*A	3*B	*A 12 1/4, *B 9" INCLUDING ANTENNAE
8	TABLE	TI	970	2,560	94 13/16	31 1/2	**	**20 5/16" TO 37 5/8"
9	TOP TILTING WALL STAND (LEFT LOADING)	WS	551	34	30	37*A	83	*A – MAX. IN HORIZONTAL POSITION
10	CEILING RAILS FOR X-RAY TUBE SUSPENSION		59	–	167 3/8	3	3 1/2	SIZE AND WEIGHT PER RAIL
11	3M TRANSVERSE BRIDGE & X-RAY TUBE STAND	TS	772	853*B	119 1/4	39	4	*B 137 IN STANDBY MODE
12	GRID HOLDER (WALL MOUNTED)		20	–	21 3/4	4	16 9/16	SUGGESTED LOCATION
13	(MAX) CHARGING STATION FOR MAX DETECTORS		4	–	12 1/2	6 3/4	2	ON CUSTOMER COUNTER
	(*) – THIS ITEM IS ELIMINATED FOR ALL MAX SYSTEMS (MAX) – ITEM ADDED FOR MAX SYSTEMS ONLY		–	–	–	–	–	

ROOM HEIGHT REQUIREMENTS

		USABLE TABLE HEIGHT AT 45" SID
MINIMUM ROOM HEIGHT	8'–9 1/8"	2'–5 1/2" (3)
MINIMUM ROOM HEIGHT FOR 60" SID TO TABLE	9'–3"	2'–11 1/8"
MAXIMUM ROOM HEIGHT WITHOUT THE TUBE STAND TELESCOPE EXTENSION	9'–5 5/8" (1)	3'–1 1/2" (4)
	9'–10 7/8" (2)	
MAXIMUM ROOM HEIGHT WITH THE TUBE STAND TELESCOPE EXTENSION	10'–1 1/2" (1)	3'–1 1/2" (4)
	10'–7" (2)	

1) UPRIGHT (0") EXPOSURES ARE POSSIBLE AT LOWEST POSITION OF WALL STAND.

2) UPRIGHT (0") EXPOSURES ARE NOT POSSIBLE AT LOWEST POSITION OF WALL STAND.

3) RESTRICTED TABLE HEIGHT AT 45" SID.

4) USABLE TABLE HEIGHT UNRESTRICTED.

REMOTE SYSTEM DIAGNOSTICS

SIEMENS REMOTE SERVICES (SRS) REQUIRES A CONNECTION BETWEEN THE SRS REMOTE SERVER AND SIEMENS SYSTEMS VIA REMOTE LOCAL AREA NETWORK ACCESS, TO ENSURE THE UPTIME OF YOUR SYSTEM. A CUSTOMER VPN CAPABLE FIREWALL OR OTHER VPN APPLIANCE IS PREFERRED.

SIEMENS

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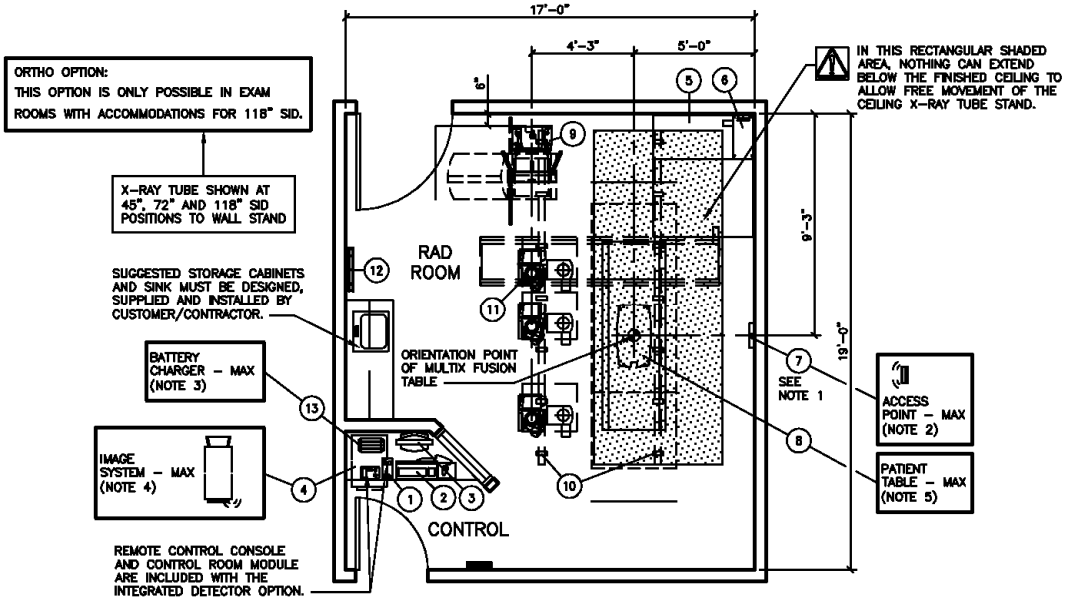

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MULTIX FUSION SYSTEM - DIGITAL / MAX

SPECIFICATIONS

POLYDOROS RF RAD80

X–RAY GENERATOR POWER REQUIREMENTS

INCOMING POWER:	480 VOLTS, 3 PHASE, 60Hz
CIRCUIT BREAKER:	80 AMPS.
GENERATOR OUTPUT:	80 kW
ALLOWABLE IMPEDANCE:	≤ 0.16 Ω
MAXIMUM MOMENTARY LOAD:	127 kVA
LINE VOLTAGE VARIATION:	± 10% MAX.
PHASE IMBALANCE:	± 2%
FREQUENCY VARIATION:	± 1 Hz

NOTE:

ALL INCOMING POWER SUPPLIES, FOR THE SIEMENS EQUIPMENT, ARE TO BE DEDICATED (BACK TO SOURCE) ISOLATED AND INSULATED FROM ANY OTHER EQUIPMENT, SUCH AS, ELEVATORS, GENERATORS, HVAC SYSTEMS, ETC.

A NEUTRAL CONDUCTOR, IF PRESENT, IS NOT USED FOR THE LINE VOLTAGE CONNECTION TO THE SIEMENS EQUIPMENT. IF THE NEUTRAL CONDUCTOR IS PROVIDED, IT SHOULD NOT BE ELECTRICALLY CONNECTED AT ANY POINT IN THE POWER DISTRIBUTION TO THE SIEMENS EQUIPMENT UNLESS SPECIFICALLY REQUIRED. UNINTENTIONAL NEUTRAL TO GROUND BONDS MAY VIOLATE LOCAL AND NATIONAL ELECTRICAL CODES, AS WELL AS CREATE GROUNDING PROBLEMS.

IF AN ON–SITE TRANSFORMER IS REQUIRED TO OBTAIN XP MODALITY OPERATING VOLTAGE, IT MUST BE OF SUFFICIENT CAPACITY AND CHARACTERISTICS TO MAINTAIN SUPPLY VOLTAGE AND IMPEDANCE REQUIREMENTS (TRANSFORMER & CONDUCTORS).

ATTENTION:

SIEMENS MEDICAL SYSTEMS, INC. RECOMMENDS THAT THE INCOMING POWER LINES BE ANALYZED WITH RESPECT TO TRANSIENT SURGES AND IMPULSES, SAGS, AND OVERVOLTAGES.

REV 2

MULTIX FUSION TECHNICAL DATA

TRANSPORTING INFORMATION

		SIZE	WEIGHT
TRANSVERSE BRIDGE	3 M	126"L x 32"W x 10"H	419#
	4 M	174"L x 32"W x 10"H	512#
LONGITUDINAL RAILS	4 M	167"L x 3"W x 4"H	59# EACH
	5 M	197"L x 3"W x 4"H	82# EACH
X–RAY TUBE SUPPORT (WITHOUT CARRIAGE)		67"L x 41"W x 53"H	827#
TABLE (WITH TRANSPORT CRATE)		63"L x 35"W x 33"H	1228#
WALL STAND (WITH PACKING)	TOP	92"L x 35"W x 42"H	898#
	PRO		809#
MINIMUM DOOR OPENING:		37"	
MINIMUM CORRIDOR WIDTH:		6'–11"	

ENVIRONMENTAL CONDITIONS

	IN OPERATION	TRANSPORT
PERMISSIBLE AMBIENT TEMPERATURE	50°F TO 95°F	–4°F TO 158°F
PERMISSIBLE RELATIVE HUMIDITY	20 TO 75%	10 TO 95%

REV 0

MAXIMUM CABLE DISTANCES BETWEEN COMPONENTS

	CONTROL ROOM MODULE	IMAGING SYSTEM	TABLE	WALL STAND	CEILING TUBE STAND
GENERATOR	59'–0"	49'–0"	36'–0"	36'–0"	32'–0"
DETECTOR I/O BOX	–	49'–0"	–	–	–

THE DISTANCES LISTED ABOVE ARE CALCULATED AS THE MAXIMUM CABLE LENGTH BETWEEN CABLE ENTRY POINTS. DEPENDING ON THE COMPONENT, THE CABLE ENTRY POINT MAY BE IN FLOOR, WALL OR CEILING. VARIOUS ARRANGEMENTS OF COMPONENTS ARE POSSIBLE AS LONG AS THE DISTANCES SHOWN ARE MAINTAINED AND THE SYSTEM FUNCTIONALITY IS NOT ADVERSELY AFFECTED.

FOR MORE INFORMATION

FOR MORE DETAILED PLANNING REQUIREMENTS FOR THIS SYSTEM, SEE THE TYPICAL FINAL DRAWING SET NUMBER: 12034