GE HealthCare

Definium Tempo Select

Preinstallation Manual

6743002-8EN
Revision 2
US English

LEGAL NOTES

TRADEMARKS

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Contact Information

Definium Tempo Select

Definium Tempo Select Systems can be sold by the below names and be manufactured by the below manufactures.

Model Name	Definium Tempo Select
Manufacturer (*)	GE Hualun Medical Systems Co., Ltd.
Manufacturer address	No. 1, Yong Chang North Road, Beijing Economic Technological Development Zone, 100176 Beijing P.R. China
Manufacturing site	GE Hualun Medical Systems Co., Ltd.
Manufacturing site address	No. 1, Yong Chang North Road, Beijing Economic Technological Development Zone, 100176 Beijing P.R. China

Language Policy

DOC0371395 - Global Language Procedure

PARALAJMËR-IM (SQ-AL)	Ky manual është i disponueshëm në disa gjuhë. • Nëse një ofrues shërbimi klientësh kërkon një gjuhë të ndryshme nga ato që mundësohen në Portalin e dokumentacionit të klientit, është përgjegjësia e klientit që të ofrojë shërbime përkthimi. • Mos u përpiqni të kryeni shërbime në pajisje, pa lexuar dhe kuptuar paraprakisht manualin e shërbimit. • Mosrespektimi i këtij paralajmërimi mund të çojë në lëndim të ofruesit të shërbimit, operatorit ose pacientit si pasojë e goditjes elektrike, mekanike ose një rreziku tjetër.
تحذير (AR-SA)	هذا الدليل متوفر بعدة لغات • إذا كان مقدم الخدمة التابع للعميل يطلب لغة غير تلك المتوفرة في بوابة توثيق العميل، فإنه يقع على عاتق العميل مسؤولية تقديم خدمات الترجمة • لا تحاول صيانة الجهاز ما لم تتم استشارة دليل الخدمة هذا وفهمه • قد يؤدي عدم مراعاة هذا التحذير إلى إصابة مقدم الخدمة أو المشغل أو المريض من جراء الصدمات الكهربائية أو المخاطر الميكانيكية أو غيرها من المخاطر

ПРЕДУПРЕЖДЕНИЕ (BG)	Това ръководство е налично на няколко езика. • Ако доставчикът на услуги на даден клиент изисква език, който е различен от осигурените в портала с документация за клиенти, отговорност на клиента е да предостави преводачески услуги. • Не се опитвайте да обслужвате оборудването, освен ако не сте се консултирали с това сервизно ръководство и сте го разбрали. • Несъблюдаването на това предупреждение може да доведе до нараняване на предоставящия услугите, оператора или пациента вследствие на токов удар, механична или други опасности.
警告 (ZH-CN)	本手册有多种语言版本。 • 如果客户的服务提供商要求使用 Customer Documentation Portal（客户文档门户）未提供的其他语言，则客户有责任提供相应的翻译服务。 • 请勿尝试检修设备，除非已明确参考并理解本检修手册。 • 不遵循此警告可能会导致检修服务提供者、操作员或患者受到触电、机械或其他危害的损伤。
警告 (ZH-HK)	本手冊備有多個語言版本。 • 若客戶的服務提供者所需語言版本不在 Customer Documentation Portal（客戶文件入口網站）所列語言之中，客戶需自行負責提供翻譯服務。 • 除非已查閱並理解本檢修手冊，否則，請勿嘗試檢修設備。 • 不遵循此警告可能會導致服務提供者、操作員或患者因為觸電、機械或其他危險而受傷。
警告 (ZH-TW)	本手冊備有多個語言版本。 • 若客戶的服務提供者所需語言版本不在 Customer Documentation Portal（客戶文件入口網站）所列語言之中，客戶需自行負責提供翻譯服務。 • 除非已查閱並理解本檢修手冊，否則，請勿嘗試檢修設備。 • 不遵循此警告可能會導致服務提供者、操作員或患者因為觸電、機械或其他危險而受傷。
UPOZORENJE (HR)	Ovaj je priručnik dostupan na nekoliko jezika. • Ako serviser klijenta zahtijeva jezik koji nije jedan od jezika dostupnih na portalu s korisničkom dokumentacijom (Customer Documentation Portal), odgovornost je klijenta pružiti uslugu prevođenja. • Nemojte pokušavati servisirati opremu ako niste proučili i razumjeli ovaj servisni priručnik. • Nepoštovanje ovog upozorenja može izazvati ozljede servisera, rukovatelja ili pacijenta kao posljedicu strujnog udara, mehaničkih ili drugih opasnosti.
VÝSTRAHA (CS)	Tato příručka je k dispozici v několika jazycích. • Pokud zákazníkův poskytovatel služeb vyžaduje jiný jazyk než jazyky, které jsou k dispozici na portálu s uživatelskou dokumentací, je odpovědností zákazníka poskytnout překladatelské služby. • Nepokoušejte se provádět servis zařízení, aniž byste prostudovali tuto servisní příručku a porozuměli jí. • Nedodržení tohoto varování může vést ke zranění poskytovatele služeb, obsluhy nebo pacienta, způsobenému úrazem elektrickým proudem či mechanickým nebo jiným nebezpečím.
ADVARSEL (DA)	Denne vejledning fås på flere sprog. • Hvis en kundes tjenesteudbyder kræver et andet sprog end dem, der er til rådighed i Kundedokumentationsportalen, er det kundens ansvar at levere oversættelsestjenester. • Undgå at forsøge at udføre service på udstyret, medmindre du har læst og forstået denne servicevejledning. • Hvis du undlader at overholde denne advarsel, kan det føre til skader på servicemedarbejderen, operatøren eller patienten på grund af elektrisk stød, mekaniske eller andre farer.

WAARSCHUWING (NL)	Deze handleiding is in verschillende talen beschikbaar. • Als de serviceprovider van een klant een andere taal vereist dan de talen die beschikbaar worden gesteld in het Customer Documentation Portal (Klantdocumentatieportaal), is het de verantwoordelijkheid van de klant om vertaalservices te leveren. • Probeer geen service op de apparatuur uit te voeren zonder de servicehandleiding te hebben gelezen en begrepen. • Het negeren van deze waarschuwing kan leiden tot letsel bij de serviceprovider, de operator of de patiënt door elektrische schokken, mechanische of andere gevaren.
WARNING (EN)	This manual is available in several languages. • If a customer's service provider requires a language other than those provided in the Customer Documentation Portal, it is the customer's responsibility to provide translation services. • Do not attempt to service the equipment unless this service manual has been consulted and is understood. • Failure to heed this warning may result in injury to the service provider, operator or patient from electric shock, mechanical or other hazards.
HOIATUS (ET)	Käesolev juhend on saadaval mitmes keeles. • Kui kliendi teenusepakkuja vajab juhendit mõnes muus keeles, mida pole kliendidokumentatsiooni portaalis, on kliendi kohustuseks tõlketeenuste osutamine. • Ärge hakake seda seadet hooldama enne, kui olete käesolevat hooldusjuhendit lugenud ja selle sisu mõistnud. • Selle hoiatuse eiramine võib põhjustada hooldusteenuse pakkujale, operaatorile või patsiendile elektrilöögist, mehhaanilistest või muudest ohtudest tulenevaid vigastusi.
VAROITUS (FI)	Tämä opas on saatavilla useilla kielillä. • Jos asiakkaan palveluntarjoaja edellyttää muita kuin asiakkaan asiakirjaportaalissa saatavilla olevia kieliä, käännöspalveluiden tarjoaminen on asiakkaan vastuulla. • Lue huolto-opas huolellisesti ennen laitteen huoltotoimenpiteiden suorittamista. • Tämän varoituksen huomiotta jättäminen voi johtaa huollon suorittajan, laitteen käyttäjän tai potilaan loukkaantumiseen sähköiskun, mekaanisen vaaran tai muun vaaran vuoksi.
ATTENTION (FR)	Ce manuel est disponible en plusieurs langues. • Si le prestataire de services d'un client nécessite que le manuel soit rédigé dans une autre langue que celles fournies sur le Portail de Documentation Client, il incombe au client de le faire traduire. • Ne pas essayer d’assurer la maintenance de l’équipement sans avoir au préalable consulté et compris les informations contenues dans ce manuel. • Le non-respect de cet avertissement peut entraîner chez le technicien, l’opérateur ou le patient des blessures dues à des dangers électriques, mécaniques ou autres.
WARNUNG (DE)	Dieses Handbuch ist in mehreren Sprachen erhältlich. • Wenn ein Dienstleister des Kunden dieses in einer anderen Sprache als der im Kundendokumentationsportal verfügbaren benötigt, liegt es in der Verantwortung des Kunden, Übersetzungsdienstleistungen zu erbringen. • Wartungsarbeiten am Gerät dürfen nur durchgeführt werden, nachdem dieses Wartungshandbuch gelesen und verstanden wurde. • Andernfalls besteht Verletzungsgefahr für den Dienstleister, Bediener oder Patienten durch Stromschlag, mechanische Gefahren oder andere Gefahren.

ΠΡΟΕΙΔΟΠΟΙΗΣΗ (EL)	Αυτό το εγχειρίδιο διατίθεται σε διάφορες γλώσσες. • Εάν ο πάροχος υπηρεσιών συντήρησης ενός πελάτη χρειάζεται διαφορετική γλώσσα από αυτές που διατίθενται στο Customer Documentation Portal (Πύλη τεκμηριώσεων πελάτη), ο πελάτης είναι υπεύθυνος για την παροχή υπηρεσιών μετάφρασης. • Μην επιχειρήσετε να εκτελέσετε συντήρηση του εξοπλισμού, εάν δεν έχετε διαβάσει και κατανοήσει το παρόν εγχειρίδιο συντήρησης. • Εάν δεν τηρήσετε αυτήν την προειδοποίηση, μπορεί να προκληθεί τραυματισμός του παρόχου υπηρεσιών συντήρησης, του χειριστή ή του ασθενούς λόγω ηλεκτροπληξίας, μηχανικής βλάβης ή άλλου κινδύνου.
אזהרה (HE)	מדריך זה זמין במספר שפות • אם ספק שירות של לקוח זקוק לשפה שאינה מסופקת ב-Customer Documentation Portal (פורטל תיעוד ללקוחות), באחריות הלקוח לספק את שירותי התרגום • אסור לנסות להעניק שירות לציוד לפני עיון במדריך שירות זה והבנת התוכן שלו • פעולה שלא בהתאם לאזהרה זו עלולה לגרום לפציעה של ספק השירות, המפעיל או המטופל כתוצאה מהתחשמלות, סיכונים מכניים או סיכונים אחרים
FIGYELMEZTETÉS (HU)	Ez a kézikönyv több nyelven is rendelkezésre áll. • Ha az ügyfél szervizszolgáltatója azoktól eltérő nyelvű kézikönyvet szeretne, mint amelyeket az Ügyféldokumentációs portálon biztosítunk, akkor az ügyfél feladata, hogy gondoskodjon a megfelelő fordításról. • Ne próbálkozzon a berendezés szervizelésével anélkül, hogy a jelen szervizkézikönyvet elolvasta és megértette volna. • Ennek a figyelmeztetésnek a figyelmen kívül hagyása áramütés, mechanikai vagy egyéb veszélyek következtében a szervizszolgáltató, a kezelő vagy a páciens sérülését okozhatja.
AÐVÖRUN (IS)	Þessi handbók er fáanleg á mörgum tungumálum. • Ef þjónustuaðili viðskiptavinar þarfnast annars tungumáls en þessara tungumála er það á ábyrgð viðskiptavinarins að veita þýðingarþjónustu. • Ekki reyna að þjónusta búnaðinn fyrr en búið er að lesa og skilja þessa þjónustuhandbók. • Sé ekki farið eftir þessari viðvörun getur það valdið meiðslum á þjónustuaðila, notanda eða sjúklingi af völdum raflosts, vélrænna áverka eða annarar hættu.
PERINGATAN (IN)	Manual ini tersedia dalam beberapa bahasa. • Jika penyedia layanan pelanggan membutuhkan bahasa selain dari yang disediakan dalam Portal Dokumentasi Pelanggan, merupakan tanggung jawab pelanggan untuk menyediakan layanan penerjemahan. • Jangan berupaya untuk melakukan servis pada peralatan sebelum menyimak manual servis dan memahami isinya. • Jika peringatan ini tidak ditaati, ini dapat menyebabkan cedera penyedia layanan, operator, atau pasien, akibat sengatan listrik, bahaya mekanis, atau bahaya lainnya.
AVVERTENZA (IT)	Il presente manuale è disponibile in varie lingue. • Qualora un fornitore di servizi del cliente richieda una lingua diversa da quelle fornite nel Portale con la documentazione per il cliente, sarà responsabilità del cliente fornire il servizio di traduzione corrispondente. • Non tentare di riparare l'apparecchiatura se non si è prima consultato e compreso il presente manuale di servizio. • Il mancato rispetto di questa avvertenza può provocare lesioni per il fornitore dei servizi, per l'operatore o per il paziente, a causa di scosse elettriche, meccaniche o altri pericoli.

警告 (JA)	本マニュアルは多言語で提供されています。 • お客様のサービスプロバイダが、お客様ドキュメントポータルページで使用されていない言語を必要とする場合は、お客様の責任で翻訳サービスを提供してください。 • 機器の保守を行う場合は、必ず本サービスマニュアルを読み理解した上で行ってください。 • この警告に従わない場合は、サービスプロバイダー、オペレータ、または患者が、感電、機械的異常、またはその他の有害要因によって負傷する恐れがあります。
경고 (KO)	이 설명서는 여러 언어로 제공됩니다. • 고객의 서비스 제공자가 고객 문서 포털에 제공된 언어가 아닌 다른 언어를 요구하는 경우 번역 서비스를 제공하는 것은 고객의 책임입니다. • 이 서비스 설명서를 참고했고 이해하지 않는 한은 해당 장비를 수리하려고 시도하지 마십시오. • 이 경고를 지키지 않으면 감전, 기계상의 위험 또는 다른 위험으로부터 서비스 제공자, 사용자 또는 환자가 다칠 수 있습니다.
BRĪDINĀJUMS (LV)	Šī rokasgrāmata ir pieejama vairākās valodās. • Ja klientu apkalpošanas speciālistam ir nepieciešama cita valoda, kas nav piedāvāta klientu dokumentācijas portālā, klienta pienākums ir nodrošināt tulkošanas pakalpojumus. • Nemēģiniet veikt aprīkojuma apkopi, kamēr nav izlasīta un izprasta apkopes rokasgrāmata. • Ja šis brīdinājums netiek ņemts vērā, pakalpojumu sniedzējs, operators vai pacients var tikt savainots elektriskās strāvas trieciena, mehāniskas vai citas bīstamības rezultātā.
ĮSPĖJIMAS (LT)	Šis vadovas yra išverstas į keletą kalbų. • Jei kliento paslaugų teikėjui reikalingas vertimas į kitą kalbą, kurios nėra kliento dokumentacijos portale, už vertimo paslaugų suteikimą atsako klientas. • Neatlikite įrangos techninės priežiūros, kol neperžiūrėjote ir neišsiaiškinote šio techninės priežiūros vadovo. • Nepaisant šio įspėjimo dėl elektros smūgio, mechaninio arba kitokio pavojaus gali būti sužalotas paslaugų teikėjas, operatorius arba pacientas.
TWISSIJA (MT)	Dan il-manwal huwa disponibbli f'diversi lingwi. • Jekk fornitur tas-servizz ta' klijent ikun jeħtieġ lingwa għajr dawk ipprovduti fil-Portal tad-Dokumentazzjoni tal-Klijent, hija r-responsabbiltà tal-klijent li jipprovdi servizzi ta' traduzzjoni. • Tippruvax tagħmel service fuq it-tagħmir sakemm ma jkunx ġie kkonsultat u mifhum dan il-manwal għas-service. • Jekk wieħed jonqos milli josserva din it-twissija, dan jista' jwassal f'korriment lill-fornitur tas-servizz, lill-operatur jew lill-pazjent minn xokk elettriku, mekkaniku, jew perikli oħra.
ADVARSEL (NO)	Denne håndboken er tilgjengelig på flere språk. • Hvis en kundes tjenesteleverandør krever et annet språk enn de som finnes i dokumentasjonsportalen for kunder, er det kundens ansvar å levere en oversettelsestjeneste. • Ikke prøv å utfør service på utstyret med mindre man har konsultert og forstått servicehåndboken. • Om denne advarselen ikke følges kan det føre til skade på tjenesteleverandør, operatør eller pasient fra elektrisk støt, mekanisk eller annen fare.
OSTRZEŻENIE (PL)	Niniejszy podręcznik jest dostępny w kilku językach. • Jeżeli serwisant klienta wymaga języka, który nie został udostępniony w portalu dokumentacji klienta, obowiązkiem klienta jest zapewnienie usług tłumaczeniowych. • Nie podejmować prób serwisowania urządzenia bez uprzedniego zapoznania się z niniejszym podręcznikiem serwisowym i zrozumienia jego treści. • Nieprzestrzeganie tego ostrzeżenia może spowodować obrażenia u serwisanta, operatora lub pacjenta, spowodowane porażeniem prądem, zagrożeniami mechanicznymi lub innymi.

ATENÇÃO (PT-BR)	Este manual está disponível em vários idiomas. • Se o prestador de serviços de um cliente necessitar de um idioma diferente dos fornecidos no Portal da Documentação do Cliente, o fornecimento dos serviços de tradução é de responsabilidade do cliente. • Não tente realizar manutenção do equipamento a menos que o manual de serviço tenha sido consultado e seja entendido. • O não cumprimento deste aviso resultará em lesões ao provedor de serviço, operador ou paciente de choque elétrico, mecânico ou outros riscos.
ATENÇÃO (PT-PT)	Este manual está disponível em vários idiomas. • Se o fornecedor de serviços de um cliente necessitar de um idioma diferente dos fornecidos no Portal de Documentação do Cliente, é da responsabilidade do cliente assegurar os serviços de tradução. • Não experimente reparar o equipamento sem primeiro consultar, e compreender, o presente manual de assistência. • O incumprimento deste aviso pode resultar em ferimentos para o técnico de reparação, o operador ou o paciente decorrentes de perigos de eletrocussão, mecânicos ou outros.
ATENŢIE (RO)	Acest manual este disponibil în mai multe limbi. • Dacă furnizorul de servicii al unui client necesită o limbă diferită de cele furnizate în Customer Documentation Portal (Portalul cu documentaţie pentru clienţi), este responsabilitatea clientului să furnizeze servicii de traducere. • Nu încercaţi să efectuaţi întreţinerea echipamentului decât dacă aţi consultat şi aţi înţeles acest manual de service. • Nerespectarea acestei avertizări poate duce la rănirea furnizorului de servicii, a operatorului sau a pacientului din cauza şocurilor electrice, mecanice sau a altor pericole.
ПРЕДУПРЕЖДЕНИЕ (RU)	Это руководство доступно на нескольких языках. • Если поставщику услуг заказчика требуется языковая версия, отличная от предложенных на портале документации для заказчиков, перевод руководства на необходимый язык осуществляется стороной заказчика. • Не начинайте эксплуатацию оборудования без предварительного надлежащего ознакомления с этим руководством. • Если вы проигнорируете это предупреждение, поставщик услуг, оператор или пациент могут получить механические травмы, травмы вследствие поражения электрическим током или другие увечья.
UPOZORENJE (SR)	Ovaj priručnik je dostupan na nekoliko jezika. • Ako korisnikov serviser zahteva neki drugi jezik osim onih koji su dostupni na portalu sa korisničkom dokumentacijom (Customer Documentation Portal), klijent mora da obezbedi prevod. • Nemojte pokušavati da servisirate opremu ako niste proučili i razumeli ovaj priručnik za servisiranje. • Nepoštovanje ovog upozorenja može da izazove povrede servisera, operatera ili pacijenta kao posledicu strujnog udara, mehaničkih ili drugih opasnosti.
UPOZORNENIE (SK)	Táto príručka je k dispozícii v niekoľkých jazykoch. • Ak poskytovateľ služieb daného zákazníka požaduje jazyk odlišný od jazykov dostupných na portáli s dokumentáciou pre zákazníkov, za prekladateľské služby zodpovedá zákazník. • Nepokúšajte sa vykonávať servis na zariadení, pokiaľ ste si neprečítali a nepochopili pokyny v servisnej príručke. • Nedodržanie tohto varovania môže byť príčinou úrazu poskytovateľa servisu, obsluhy alebo pacienta v dôsledku zásahu elektrickým prúdom alebo v dôsledku mechanických alebo iných nebezpečenstiev.

OPOZORILO (SL)	Ta priročnik je na voljo v več jezikih. • Če ponudnik storitev stranke potrebuje priročnik v jeziku, ki ni na voljo na portalu z dokumentacijo stranke, mora stranka zagotoviti prevod. • Opreme ne poskušajte servisirati, če niste prebrali in razumeli tega servisnega priročnika. • V primeru neupoštevanja tega opozorila lahko pride do telesnih poškodb ponudnika storitev, upravljavca ali pacienta zaradi električnega udara, mehanskih ali drugih nevarnosti.
ADVERTENCIA (ES)	Este manual se encuentra disponible en varios idiomas. • Si el proveedor de servicios de un cliente requiere un idioma distinto de los proporcionados en el Customer Documentation Portal (Portal de documentación para clientes), es responsabilidad del cliente proporcionar los servicios de traducción. • No intente realizar el mantenimiento del sistema a menos que haya consultado y comprendido este manual de servicio. • El incumplimiento de esta advertencia puede causar lesiones al suministrador de servicios, el operador o el paciente debido a descarga eléctrica, mecánica u otros riesgos.
VARNING (SV)	Denna manual är tillgänglig på flera språk. • Om en kunds tjänsteleverantör behöver ett annat språk än de som tillgängliggjorts på portalen för kunddokumentation är det kundens ansvar att erbjuda översättningstjänster. • Försök inte att reparera utrustningen utan att först rådfråga och förstå denna servicehandbok. • Om denna varning inte beaktas kan det leda till skada för tjänsteleverantör, operatör eller patient genom elektrisk stöt, mekaniska eller andra faror.
DİKKAT (TR)	Bu kılavuz birden fazla dilde sunulmaktadır. • Bir müşterinin servis sağlayıcısı Müşteri Belgeleri Portalı'nda sağlananlardan farklı bir dil talep ederse çeviri hizmeti sağlamak müşterinin sorumluluğundadır. • Bu servis kılavuzuna başvurmadan ve içeriğini anlamadan ekipman üzerinde servis işlemi yapmayı denemeyin. • Bu uyarıya uyulmaması; elektrik çarpması, mekanik tehlikeler veya başka tehlikelerden ötürü servis sağlayıcı, operatör veya hastanın yaralanmasıyla sonuçlanabilir.
ПОПЕРЕДЖЕННЯ (UK)	Цей посібник доступний кількома мовами. • Якщо постачальник послуг замовника використовує мову, яку не вказано на порталі з документацією для замовників, послуги з перекладу має забезпечити замовник. • Не починайте роботу з обладнанням без попереднього належного ознайомлення з посібником із використання. • Якщо ви проігноруєте це попередження, постачальник послуг, оператор або пацієнт можуть зазнати механічних травм, ураження електричним струмом або інших тілесних ушкоджень.
CẢNH BAO (VI)	Tài liệu hướng dẫn này có sẵn ở một số ngôn ngữ. • Nếu nhà cung cấp dịch vụ của khách hàng yêu cầu ngôn ngữ khác với ngôn ngữ được cung cấp trong Cổng Thông Tin Tài Liệu Khách Hàng, khách hàng có trách nhiệm cung cấp dịch vụ dịch thuật. • Không cố bảo dưỡng thiết bị trừ khi đã tham khảo và hiểu rõ hướng dẫn sử dụng này. • Việc không chú ý đến cảnh báo này có thể dẫn đến thương tích cho nhà cung cấp dịch vụ, người vận hành hoặc bệnh nhân do điện giật, nguy hiểm cơ học hoặc các mối nguy hiểm khác.

Important...X-Ray Protection

X-ray equipment if not properly used may cause injury. Accordingly, the instructions herein contained should be thoroughly read and understood by everyone who will use the equipment before you attempt to place this equipment in operation. GE HealthCare will be glad to assist and cooperate in placing this equipment in use.

Although this apparatus incorporates a high degree of protection against x-radiation other than the useful beam, no practical design of equipment can provide complete protection. Nor can any practical design compel the operator to take adequate precautions to prevent the possibility of any persons carelessly exposing themselves or others to radiation.

It is important that anyone having anything to do with x-radiation be properly trained and fully acquainted with the recommendations of the National Council on Radiation Protection and Measurements as published in NCRP Reports available from NCRP Publications, 7910 Woodmont Avenue, Room 1016, Bethesda, Maryland 20814, and of the International Commission on Radiation Protection, and take adequate steps to protect against injury.

The equipment is sold with the understanding that GE HealthCare, its agents, and representatives have no responsibility for injury or damage which may result from improper use of the equipment.

Various protective materials and devices are available. It is urged that such materials or devices be used.

Revision History

Table 1 Revision History

Revision	Date	Reason For Change
1	May 25, 2024	Initial Release.
2	Aug 18, 2025	Second Release. Update feature description.

Contents

Preface Publication Convention

Standardized conventions for representing information is a uniform way of communicating information to a reader in a consistent manner. Conventions are used so that the reader can easily recognize the actions or decisions that must be made. There are a number of character and paragraph styles used in this publication to accomplish this task. Please become familiar with them before proceeding forward.

It is important that you read and understand hazard statements, and not just ignore them.

Safety & Hazard Information

Proper product safety labeling allows a person to safely use or service a product. The format and style for safety communications reflected in this publication represents the harmonization of IEC/ISO 3864 and ANSI Z535 standards.

Within this publication, different paragraph and character styles are used to indicate potential hazards. Paragraph prefixes, such as hazard, caution, danger and warning, are used to identify important safety information. Text (Hazard) styles are applied to the paragraph contents that are applicable to each specific safety statement.

Repair parts weighting more than 35 lbs or require more than 35lbs of mechanical effort shall have written procedures defining lifting assistance tools/features or document that it is a two or more person operation.

Hazard Messages

Any action that will, or could potentially cause personal injury will be preceded by the safety alert symbol and an appropriate signal word. The safety alert symbol is the triangle with an exclamation mark within it. It is always used next to the signal word to indicate the severity of the hazard. Together, they are used to indicate a hazard exists.

Signal words describe the severity of possible human injuries that may be encountered. The alert symbol and signal word are placed immediately before any paragraph they affect. Safety information includes:

1. Signal Word - The seriousness level of the hazard.
2. Symbol or Pictorial - The consequence of interaction with the hazard.
3. Word Message:

    3.1. The nature of the hazard (i.e. the type of hazard).

    3.2. How to avoid the hazard.

    The safety alert symbol is not used when an action can only cause equipment damage.

Text Format of Signal Words

DANGER: the most severe label, indicates a hazard with a high level of risk which, if not avoided, will result in death or serious injury.

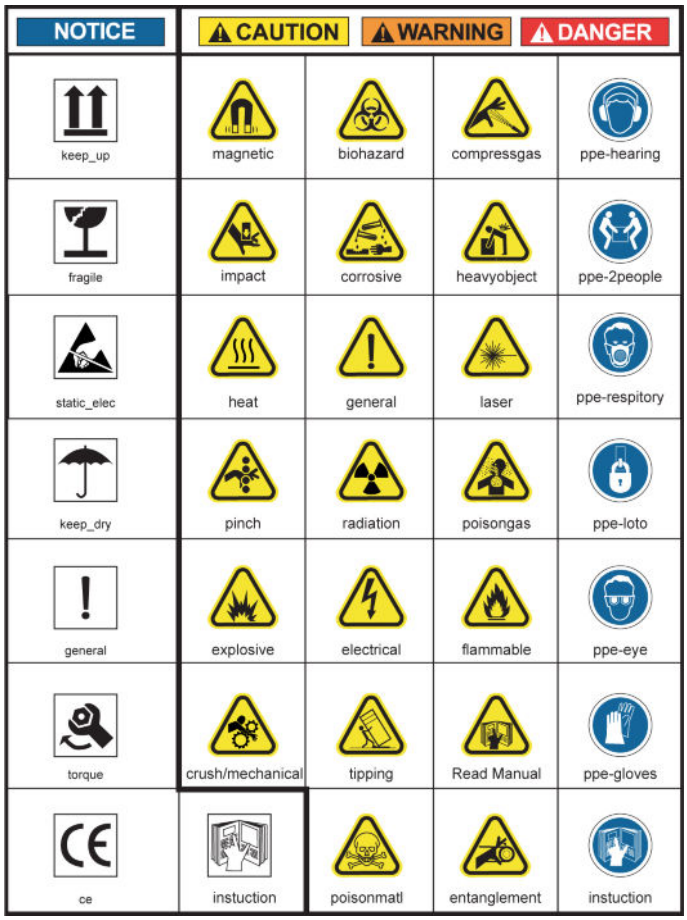
WARNING: indicates a hazard with a medium level of risk which, if not avoided could result in death or serious injury

CAUTION: indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.

NOTICE: indicates information considered important, but not hazard-related (no risk of injury, only a risk to the equipment).

Symbols and Pictorials Used

The following Symbols and Pictorials may be used in this publication. These graphical icons (symbols) may be used to make you aware of specific types of hazards that could possibly cause harm.



Equipment Classifications

The following equipment classifications are applicable to the product:

- Equipment classification with respect to protection from electric shock: Class I
- Degree of protection from electric shock: Type B
- Degree of protection against ingress of liquids: Not classified
- Equipment not suitable for use in the presence of a flammable anesthetic mixture with air or with nitrous oxide
- Mode of operation: Continuous operation with intermittent loading

Publication Conventions

General Paragraph and Character Styles

Prefixes are used to highlight important non-safety related information. Paragraph prefixes (such as Purpose, Example, Comment or Note) are used to identify important but non-safety related information. Text styles are also applied to text within each paragraph modified by the specific prefix.

EXAMPLES OF PREFIXES USED FOR GENERAL INFORMATION:

Purpose:

Introduces and provides meaning as to the information contained within the chapter, section or subsection (such as used at the beginning this chapter, for example).

NOTE
Conveys information that should be considered important to the reader.

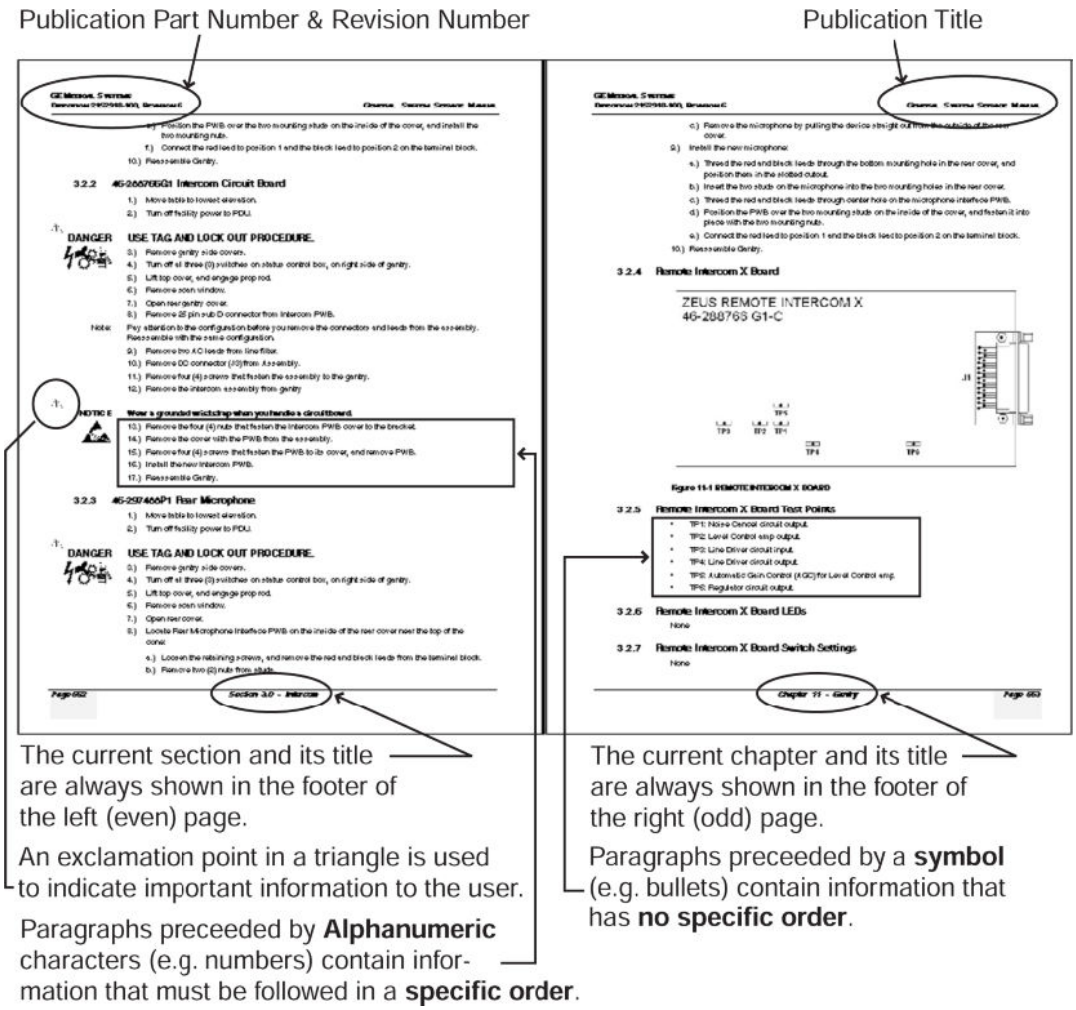
Example:

Used to make the reader aware that the paragraph(s) that follow are examples of information possibly stated previously.

Comment:

Represents "additional" information that may or may not be relevant to your situation.

Page Layout



Headers and footers in this publication are designed to allow you to quickly identify your location. The document part number and revision number appear in every header on every page. Odd numbered page footers indicate the current chapter, its title and current page number. Even numbered page footers show the current section and its title, as well as the current page number.

Computer Screen Output/Input Text Character Styles

Within this publication, mono-spaced character styles (fonts) are used to indicate computer text that is either screen input or output. Mono-spaced fonts, such courier, are used to indicated text direction. When you type at your keyboard, you are generating computer input. Occasionally you will see the math operator “greater-than” and “less-than” symbols used to indicate the start and finish of variable output. When reading text generated by the computer, you are reading it as computer generated output. In addition to direction, characters are italicized (e.g. *italics*) to indicate information specific to your system or site.

Example: Fixed Output

```
This paragraph’s font represents computer generated screen “fixed” output. Its output is fixed from the sense that it does not vary from application to application. It is the most commonly used style used to indicate filenames, paths and text that do not change from system to system. The character style used is a fixed width such as courier.
```

Example: Variable Output

This paragraph’s font represents computer screen output that is “variable”. It is used to represent output that varies from application to application or system to system. Variable output is sometimes found placed between greater-than and less-than operators for clarification. For example: <variable_ouput> or <3.45.120.3>. In both cases, the < and > operators are not part of the actual input.

Example: Fixed Input

This paragraph’s font represents fixed input. It is computer input that is typed-in via the keyboard. Typed input that does not vary from application to application or system to system. Fixed text the user is required to supply as input. For example: cd /usr/3p

Example: Variable Input

***This paragraph’s font represents computer input that can vary from application to application or system to system. With variable text, the user is required to supply system dependent input or information. Variable input sometimes is placed between greater-than and less-than operators. For example: <variable_input>. In these cases, the (<>) operators would be dropped prior to input. For example:* ypcat hosts | grep *<3.45.120.3>* would be typed into the computer as**

ypcat hosts | grep *3.45.120.3*

without the greater-than and less-than operators.

Buttons, Switches and Keyboard Inputs (Hard & Soft Keys)

Different character styles are used to indicate actions requiring the reader to press either a hard or soft button, switch or key. Physical hardware, such as buttons and switches, are called hard keys because they are hard wired or mechanical in nature. A keyboard or on/off switch would be a hard key. Software or computer generated buttons are called soft keys because they are software generated. Software driven menu buttons are an example of such keys. Soft and hard keys are represented differently in this publication.

Example: Hard Keys

A power switch **ON/OFF** or a keyboard key like **ENTER** is indicated by applying a character style that uses both over and under-lined bold text. This is a hard key.

Example: Soft Keys

Whereas the computer **MENU** button that you would click with your mouse or touch with your hand uses over and under-lined regular text. This is a soft key.

1 General Requirements

1.1 Objectives and Overview Summary

1.1.1 Objective and Scope of This Manual

This document is intended as a guide and informational resource for planning and properly preparing a location for the installation of Definium Tempo Select this system.

1.1.2 Summary

The purchaser is responsible for completion of “Pre-Installation.” This includes the procurement and installation of all required materials and services to get the room ready for installation of the product.

This responsibility includes providing:

- A clean and safe work environment for installation of the product (finished floor, ceiling, walls, and proper room lighting).
- A location suitable for the installation of the product.
- Suitable support structures in the floor, walls, or ceiling necessary for the mounting of the product and/or its components.
- Installation of conduit, ducts and/or raceways necessary to route cables safely.
- Electrical power and grounds of specified quality and reliability.
- Electrical power of the required voltage, including an Emergency-Off safety switch in the room. Power and ground cables to the PDU.
- Properly installed and sized junction boxes, including covers and fittings at locations required and called out in architectural drawings.
- Use GE HealthCare recommended wires and cables as defined in this document.

1.1.3 Site Readiness Checklist

For the site readiness please refer to DOC1809666 Glaobal site readiness checklist, (This document is from the GE Siting team) for example as below.

Table 1-1 Site Readiness Checklist

Xray Site Ready Checklist	Task	GE Health-Care	Customer/ Contractor		Reference
Equipment Stor-age (If Applicable)	Sufficient & secured storage space is planned.	☐			
	HVAC system installed and meets minimum envi-ronmental system requirements.	☐			

Table 1-1 Site Readiness Checklist

Xray Site Ready Checklist	Task	GE Health-Care	Customer/ Contractor		Reference
	Customer / Contractor has obtained required permits. PMI has the appropriate permission to rig and deliver through the designated path.	☐			
	Room and staging area that will receive the equipment are dust free. Precautions must be taken to prevent dust from entering room containing equipment.	☐📷			
	Delivery route from truck to room has been reviewed, all communications have occurred, arrangements made for special handling if needed.	☐			
	Floor along delivery route will support weight of equipment, reinforcement arranged if needed.		*Person Responsible*	☐	Pre-Installation Manual
Pre-Construction	Delivery route from truck to room has been reviewed, all communications have occurred, arrangements made for special handling if needed.	☐			
	Floor along delivery route will support weight of equipment, reinforcement arranged if needed.		*Person Responsible*	☐	Pre-Installation Manual
	Arrangements have been made for special handling of equipment if rigging, elevator, fork lift, etc. are required.	☐			
	The site IT/connectivity contact information has been entered in MyProjects. Site IT is engaged and supplying any local network and remote connectivity information that is required.	☐			
	Check for toilets (portable acceptable), washing facilities, area for food / drink breaks. Guidance 1 toilet for every 7 people.	☐			
	GE and other employees can easily evacuate the area if the need arises and the exits are signed and clear from obstruction.	☐			
Construction	Customer / Contractor has obtained required permits. PMI has the appropriate permission to rig and deliver through the designated path.	☐			
	Ceiling support steelwork height, levelness and spacing has been measured, and is ready for the installation of any GE supplied components.		*Person Responsible*	☐	Pre-Installation Manual
	Cable ways are of correct length & size, warning lights and door switches (if applicable) are per GE PIM specifications and final drawing.	☐📷			
	HVAC must be installed and meet the minimum environmental requirements. The HVAC system must be operational by system turn on.		*Person Responsible*	☐	Pre-Installation Manual

Table 1-1 Site Readiness Checklist (Table continued)

Xray Site Ready Checklist	Task	GE Health-Care	Customer/ Contractor		Reference
	All feeder wires and circuit breakers are sized appropriately and the emergency power off (EPO) button(s) installed.		*Person Responsible*	☐	Pre-Installation Manual
	PMI to confirm with electrician all power and signal cables are well terminated ensuring there are no loose connections.	☐			
	Lead doors and windows complete or scheduled before calibration phase. Radiation shielding finished & regulatory approval for installation obtained.	☐			
	Customer / contractor has confirmed that the floor meets GE specifications for levelness and flatness.		*Person Responsible*	☐	Pre-Installation Manual
	Room dimensions, including ceiling height, for all Exam, Equipment / Technical & Control rooms meets GE PIM specifications and final drawing.	☐			
Pre- Equipment Delivery	Check the area of the installation. The floor is complete, no trailing cables, no obstructions, no surface water.	☐			
	No adjacent ongoing / planned activities that may affect personnel safety.	☐📷			
	No potential exposure to hazards or odors during installation.	☐			
	Equipment must be in a clean environment where construction dust and debris are prevented from coming in contact with the equipment.	☐📷			
	A single source lockable electrical panel for GE equipment that can be locked from the outside. Lock Out Tag Out applied prior to commencing.	☐			
	Sufficient & secured storage space is planned with the customer.	☐			
	PMI should confirm that threshold at room entry meets GE specifications in appropriate Pre-Installation Manual.	☐			
	Ceiling has been completed, with the exception of removable tiles, which is at the GE Project Managers discretion.	☐			
	Room lighting is adequate to install equipment in a safe and effective manner. Permanent lighting may not yet be available.	☐			
	Countertops and / or tables are in place for equipment installation. Temporary tables of suitable size can be used to start installation.	☐			

Table 1-1 Site Readiness Checklist (Table continued)

Xray Site Ready Checklist	Task	GE Health-Care	Customer/ Contractor		Reference
	System power & ground cabling provided from PDB / MDP to equipment per GE Pre-Installation Manual specifications and final drawings.	☐			
	A power and grounding audit may be scheduled for all installations where power issues may be a concern.	☐			
	Network connection is active for equipment. Verified with site IT has provided the Connectivity information required and Remote Connectivity (Internet or VPN) will be available before install completion.	☐			
Documents	**Customer Documentation Portal - https://customer-doc.cloud.gehealthcare.com/#/cdp/dashboard**				
	Search by Document Number and desired language				
	Manual		**Document Number**		
	Pre-Installation Manual		Refer to page 1 of drawing		

Customer / Contractor X-ray Data Sheet			
HVAC			
Room	**Temp (C or F)**	**Humidity %RH**	
Exam Room			
Control Room			
Technical Room			
Floor Levelness and Flatness			
Measurement	**Max (mm or in)**	**Min (mm or in)**	
Equipment location area			

Ceiling Structure Specifications		
Measurement	**Min (mm or in)**	**Max (mm or in)**
Distance between structure rails perpendicular to GE rails		
Distance between stationary rail structure mounting points		
Structure mounting points horizontal plane height		
Diagonal distance between outer mounting points		
Distance between back stationary rail and cable take up rail		
INSITE - REMOTE CONNECTIVITY		

Customer / Contractor X-ray Data Sheet						
HVAC						
Depending on product family and software revision, GE systems can be connected to the GE Back Office/Online Center for remote diagnostic, system health monitoring and to facilitate troubleshooting. To enable InSite remote service, Selecting One of the below options and providing the requested information is Required:						
☐ 1. TLS Internet Access TCP Port 443* - DNS Resolution (Preferred – Please provide DNS in Network Info)						
☐ 2. TLS Internet Access TCP Port 443* - Customer Provided Proxy						
Proxy IP		**Port**				
Username		**Password**				
*If firewall rules or exemptions are required for successful connectivity, add the following URLs to allow outbound TLS communication:						
https://insite.gehealthcare.com						
https://as1-insite.gehealthcare.com						
https://as2-insite.gehealthcare.com						
https://gehealthcare-ns.flexnetoperations.com						
https://download.flexnetoperations.com						
☐ 3. Site-to-Site IPSec VPN (GEHC VPN Proxy) (Requires Static IP)						
NETWORKING - LOCAL CONNECTIVITY						
IP Information	**IP Address***	**Netmask***	**Gateway***	**Port#***	**AE Title***	**Notes**
System 1						
System 2						
System 3						
System 4						
DNS Server 1		N/A	N/A	N/A	N/A	
DNS Server 2		N/A	N/A	N/A	N/A	
PACS and HIS/RIS						
PACS HIS/RIS INFO	**IP Address ***	**Port#***	**AE Title***	**Notes**		
PACS 1						
PACS 2						
HIS/RIS						
OTHER						
OTHER						
*Required Fields						

1.2 Common Product Requirements

1.2.1 Dimensions and Layout

Carefully check room layouts for adequate radiographic coverage, necessary clearances and provision for related equipment. Good judgement is required to avoid compromising important features. There must be ample maneuvering space allowed for the hospital cart and for personnel around the table.

1.3 Delivery Requirements

1.3.1 Door Size Requirements

Minimum door sizes also apply to hallway and elevator.

Door Height:

The minimum door height accommodated is 190 cm (74.80 in.).Typically, the door height in standard rooms exceeds this measurement.

Door Width:

- The minimum door width to accommodate the Table is: 87.6 cm (34.5 in.).
- The minimum door width is calculated based on a straight-in approach requiring a 2.5 m (8 ft) wide corridor. Minimum widths will change based on narrower corridors.

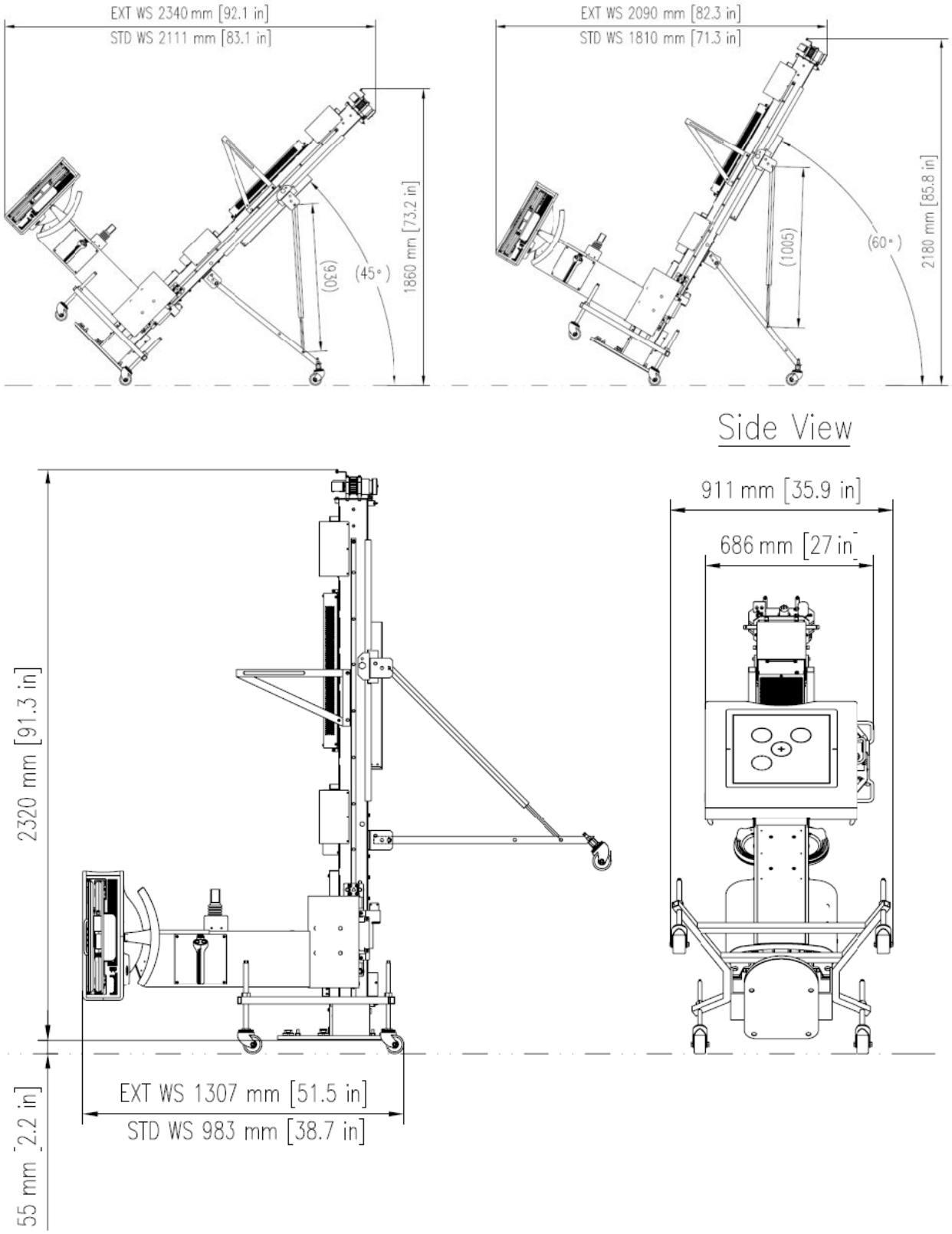
1.3.2 Minimum Elevator Depth Requirements

The minimum elevator depth to accommodate is 2.45 m (96.46 in.) when the Wall Stand is tilted on the dolly.

1.3.3 Shipping Fixtures and Carts

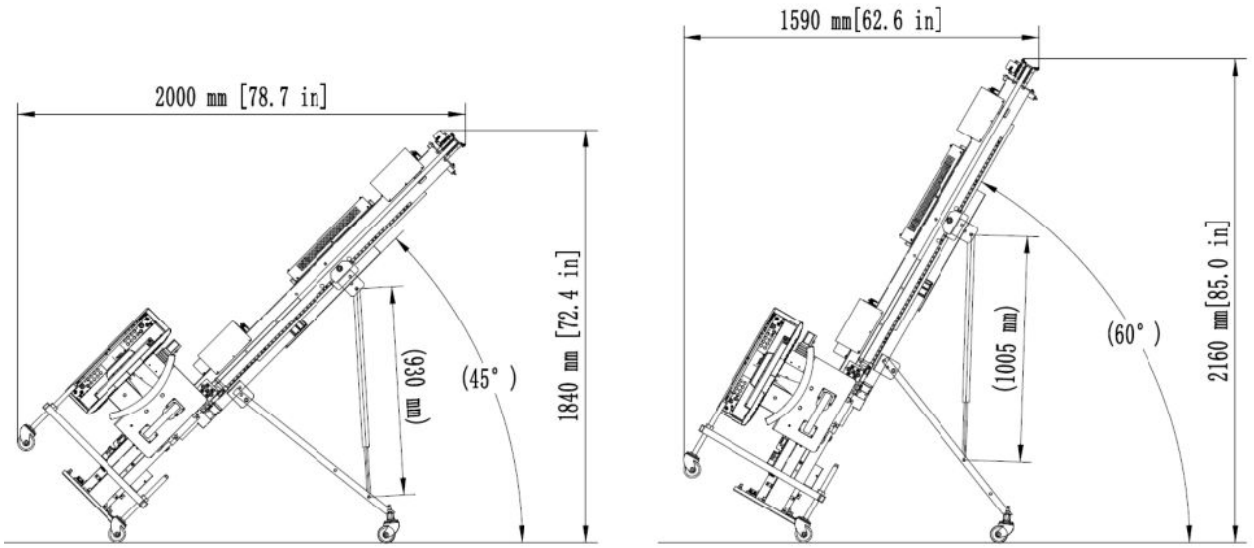
The Extened WS is delivered on a fixture.

Figure 1-1 EXT WS Site In-Transit Dimensions



Non-Tilting WS is delivered on a fixture.

Figure 1-2 Non-Tilting WS Trasit Dimensions



Cabinet

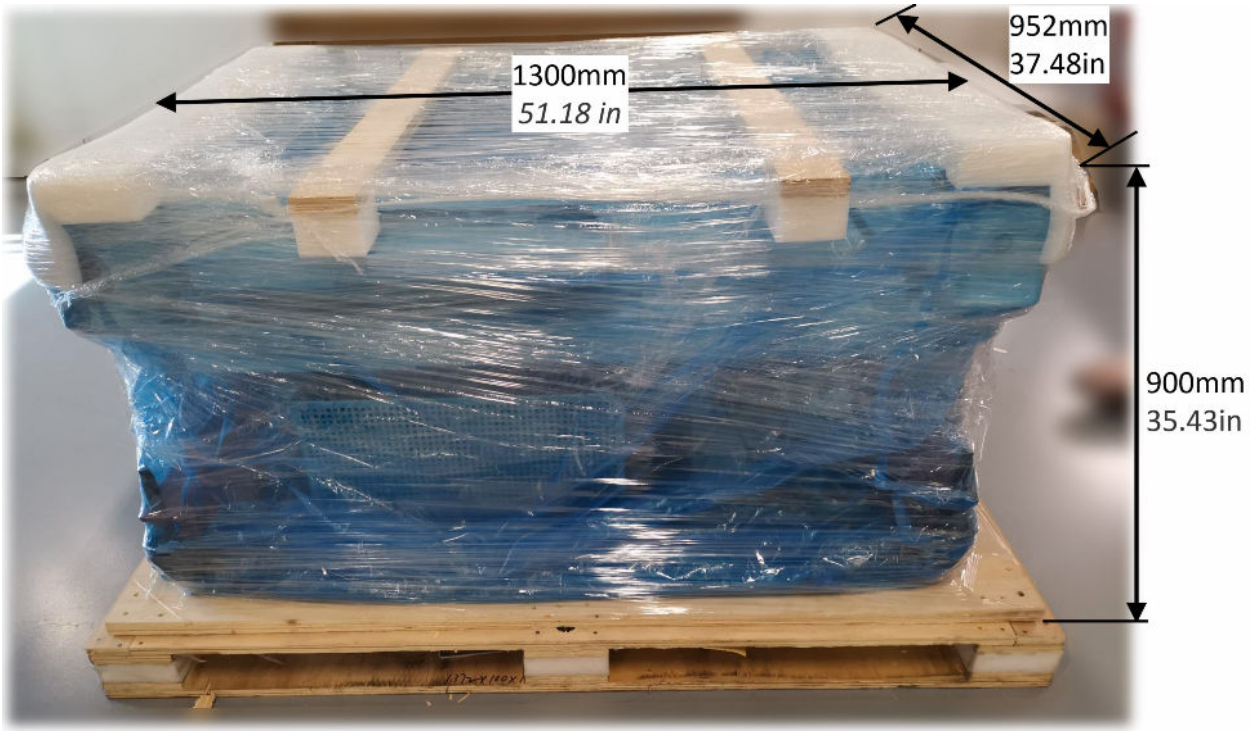
NOTICE

THE CABINET CAN PASS UP A MAXIMUM SLOPE OF 10 DEGREES AND PASS OVER A MAXIMUM BARRIER ON THE FLOOR OF 25 MM (0.98 IN).

Figure 1-3 Cabinet with its wheels in transit

Table

Figure 1-4 Table in-transit dimensions



Lean Carts

Some system components are packed into one “Lean Carts”.

Figure 1-5 Control and Options Lean Cart

NOTICE

THE DIMENSION OF SYSTEM ACCESSORY PACKING BOX MADE IN GEHL IS 1400*1350*1050

1.3.4 Shipping Dimensions and Weights

SHIPPING DATA

Component	Shipping Data				
	Shipping Dimensions (Approx)			Shipping Weight (Approx)	Shipping Method
	Length	Width	Height		
Stationary Rail (4 m)(set of 2 rails)	4400 mm (173.23")	62.5 mm (2.46")	84.3 mm (3.32")	48 kg (106 lbs.)	Box
2 Meter Bridge and longitudincal belt assembly, lateral chain bracket	3248 mm (127.87")	822 mm (32.36")	429 mm (16.89")	224 kg (493.8 lbs.)	box/skid
3 Meter Bridge and longitudincal belt assembly, lateral chain bracket	3248 mm (127.87")	822 mm (32.36")	429 mm (16.89")	194 kg (427.7 lbs.)	box/skid
OTS MIS Cable	880 mm (34.65")	860 mm (33.86")	600 mm (23.62")	50 kg (110.2 lbs.)	Box
Cable chain Rail and Support	813 mm (32.01")	584 mm (22.99")	230 mm (9.06")	50 kg (110.2 lbs.)	Box
Cabinet Assembly in Package	1170 mm (46.1")	860 mm (33.9")	1140 mm (44.9")	258 kg (568.8 lbs.)	Box
Cabinet in Transit	970 mm (38.2")	620 mm (24.4")	932 mm (36.7")	206 kg (454.2 lbs.)	Skid
Extended Wall Stand	2560 mm (100.79")	1110 mm (43.7")	1670 mm (65.75")	469 kg (1034 lbs.)	Crate
Extended Wall Stand in Transit	2340 mm (92.13")	911 mm (35.87")	1860 mm (73.23")	280 kg (617.3 lbs.)	dolly
Non-tilting Wall Stand and Component	2355 mm (92.7")	805 mm (31.7")	845 mm (33.3")	353 kg (778 lbs.)	Crate
Non-tilting Wall Stand in Transit	2000 mm (78.74")	911 mm (35.87")	1840 mm (72.44")	260 kg (573.2 lbs.)	dolly
Table and Component	1460 mm (57.5")	1000 mm (39.4")	1240 mm (48.8")	436 kg (961 lbs.)	Crate
Table assembly in Transit	1300 mm (51.18")	950 mm (37.4")	900 mm (35.43")	137 kg (302 lbs.)	dolly
Tabletop	2440 mm (96.1")	950 mm (37.4")	250 mm (9.8")	95 kg (209 lbs.)	Crate
Overhead Tube Suspension (OTS) assembly in Package	1260 mm (49.61")	870 mm (34.25")	1300 mm (51.18")	385 kg (848.8 lbs.)	box/crate
Overhead Tube Suspension (OTS) in transit	1260 mm (49.61")	870 mm (34.25")	1250 mm (49.21")	350 kg (771.6 lbs.)	box/crate
Radiographic Stretcher (Option)	2188 mm (86.14")	917 mm (36.1")	750 mm (29.53")	164 kg (361.6 lbs.)	Skid
Stretcher: Carbon Fiber Non-elevating (Option)	2200 mm (86.61")	650 mm (25.59")	700 mm (27.56")	70 kg (154.3 lbs.)	Skid

Component	Shipping Data				
	Shipping Dimensions (Approx)			Shipping Weight (Approx)	Shipping Method
	Length	Width	Height		
GST-2 Stretcher Table (Option)	2004 mm (78.9")	640 mm (25.2")	696 mm (27.4")	50 kg (110.2 lbs.)	Skid
Detector 17X17 in Package	711 mm (27.99")	661 mm (26.02")	280 mm (11.02")	18 kg (39.7 lbs.)	Crate
Exam Room Lean Cart	2134 mm (84.02")	762 mm (30")	1524 mm (60")	Varies	wheeled cart
Control & Options Lean Cart	1308 mm (51.5")	762 mm (30")	1297 mm (51.06")	Varies	wheeled cart
Patient Barrier	1000 mm (39.37")	600 mm (23.62")	1800 mm (70.87")	80 kg (176.4 lbs.)	Eati
410 mm Footstool for Patient Barrier	1040 mm (40.94")	850 mm (33.46")	550 mm (21.65")	17 kg (37.5 lbs.)	Mootstoo-la0m

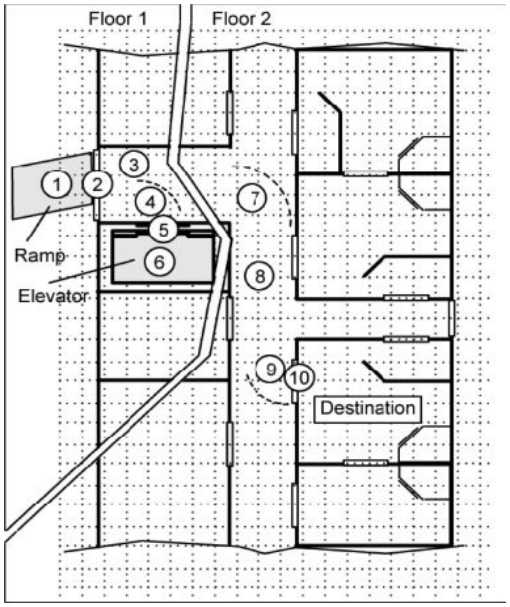
1.3.5 Preparing the Delivery Route

1. Sketch out the Route
   Begin preparing Route Survey by sketching the area of the hospital or clinic which will receive the equipment. Include all areas on the delivery route from outside of building to destination. See sample sketch below.

NOTICE

The reference numbers in circles refer to the Route Survey data shown in Figure 1-6 Sample Route on page 28. The Route Survey is a form on which site data is listed.

Figure 1-6 Sample Route



2. Survey the Route
   Record all loading capacities, corridor widths, door openings, turning radii, flooring materials, elevator sizes, obstructions and so on for reference.
3. Check the Route
   Verify equipment can actually be transported via the route determined.

2 Equipment

2.1 System Components

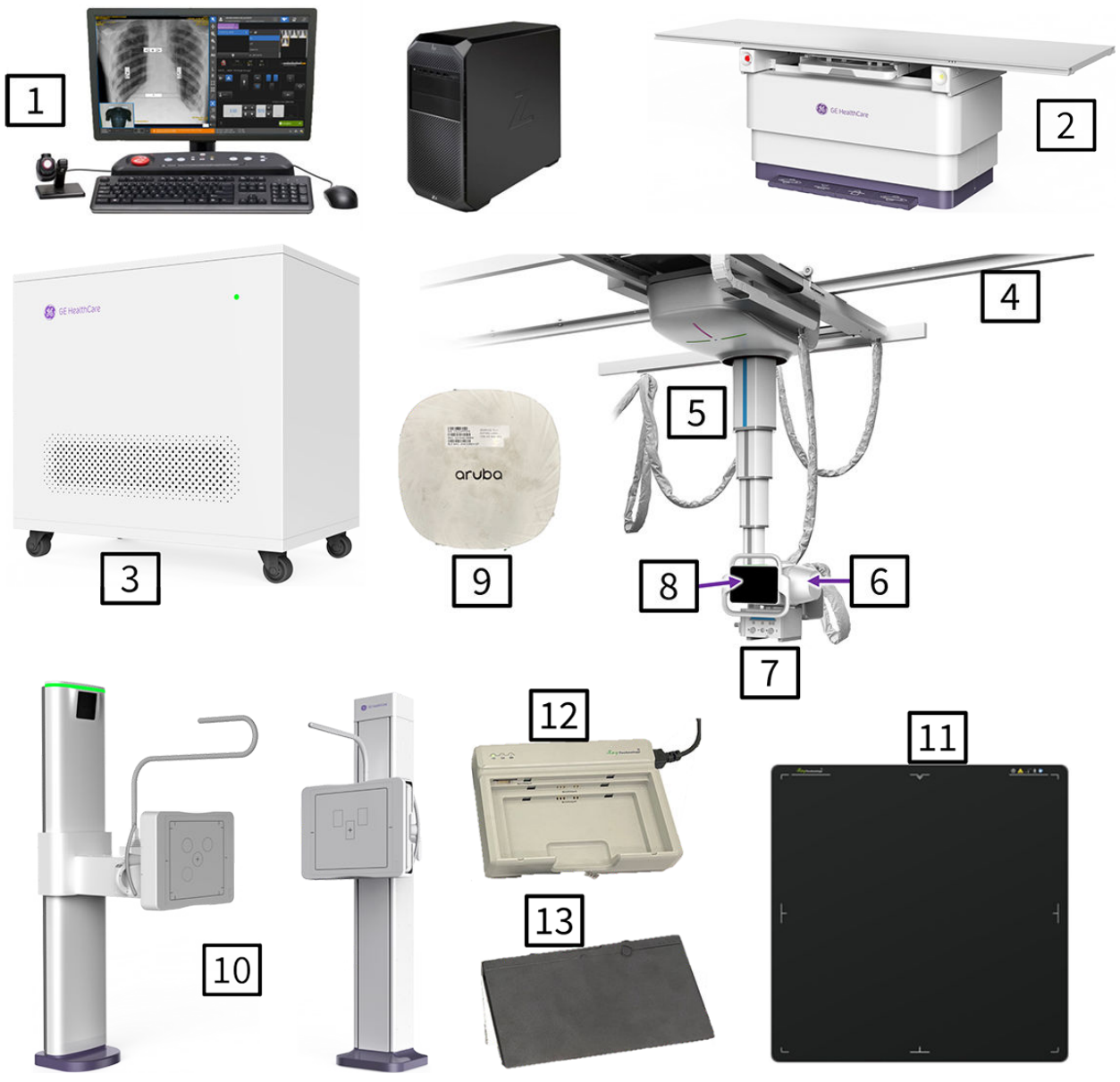
System Components

This system may consist of the following main components:

1. Operator Console
   (PC: Z4G5, Monitor, Keyboard, Mouse, RCIM2 and Hand switch)
2. Table
3. System Cabinet
4. Bridge
5. Overhead Tube Support (OTS)
6. X-Ray Tube
7. Collimator
8. THC Console
9. AP Assembly (without AP in Non wireless system)
10. Wall Stand (Extended WS/Non-tilting WS)
11. Detector
12. Detector Battery Charger
13. Detector Battery

NOTE
The PC cannot be put on the ground directly.

Figure 2-1 System Components



Optional Components

The system can include the following free-standing components, which can be purchased as options:

1. Barcode Reader
2. Detector Holder
3. Grids for Table and Wall Stand
4. Detector weight bearing cover
5. Uninterrupted Power Supply (UPS)
6. External DVD Driver
7. Compression Band and Hand Grips
8. Image Pasting Barrier

9. Footstool
10. Fixed Height Mobile Stretcher (GST-2) (can't go to USA, Netherland)
11. Wall Stand Foot Pedal Kit
12. Infrared Remote Control
13. Table Rear Foot Pedal

Figure 2-2 Optional System Component Identification

2.2 Room Requirements

2.2.1 Acoustic Output

Table 2-1 System Acoustic Output

COMPONENT	SOUND OUTPUT (dBA)	
	IN-USE (measured 1m from any point in system)	STAND-BY (measured 1m from any point in system)
System	<65	<60

2.2.2 Room Lighting Requirements

The lighting of the room should ensure patient exposure use and GE HealthCare normal service. Depend on different applicable scenery, highly recommended provide different room light source, as Table 2-2 Room Light Source on page 33.

Table 2-2 Room Light Source

Light Source	Illuminance (lux/lx)	Recommended Equivalent (W)	Applicable scenery
LED lamp	75~350	15~60	Patient exposure
Fluorescent lamp		30~90	
LED lamp	350~800	60~150	GE HealthCare service
Fluorescent lamp		90~300	

NOTE

1. Spotlights are not suggested to be installed in exam room, it may interfere with infrared components in the system.
2. Suggest adding the Anti-IR coating to fluorescent lamp. The anti-IR coating should be able to filter IR signal with 940nm wavelength. Otherwise, it's possible to lead to the IR controller cannot work normally sometimes.

Table 2-3 For the electronic ballast of fluorescent lamp in exam room, the operating frequency should be above 42KHz. For reference:

Priority	Manufacture	Type		Manufactory Product number	Operating frequency	Remarks
1	OSRAM	T5	QTi2X35/49/80	4008321174291	45...70KHZ	Except OTIS e3x36/220-240 CW

2.2.3 Floor Requirements

The preferred method of installing the table and wall stand is to use the provided floor anchors.

2.2.3.1 Floor Levelness Specifications

Critical Specifications

Accurate patient positioning during scanning depends on proper alignment of the tube to the table or Wall Stand.

The floor levelness specification in Table 2-4 Critical Specification for Floor Levelness on page 33 ensure that the table and tube height adjusters have enough range to allow proper leveling of the system.

Table 2-4 Critical Specification for Floor Levelness

Specification	Metric(minimum)	English(minimum)
Levelness	±3 mm maximum variance over 3048 mm	±1/8 in. maximum variance over 10 ft

2.2.3.2 Floor Requirements When Using Provided Floor Anchors

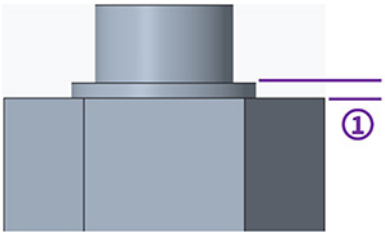
Concrete is recommended as the system support floor, with a thickness determined by the Structural Engineer to properly support the equipment loads. The anchors provided need to be embedded in the concrete at least 70 mm (2.76 in.)

CAUTION

Potential for Injury and/or Equipment Damage:

The Min 90 mm (3.54 in.) drill hole depth is to ensure the Min 70 mm (2.76 in.) embedded depth for anchors, meantime make sure the top thread surface of anchor is at least **NOT** lower than the top surface of nut after the table installation. In addition, the general condition of the concrete in the immediate mounting area should be inspected to ensure that anchors will be set in good quality concrete.

Figure 2-3 Top Thread Surface of Anchor



Item	Description
1	Aligned or a little bit higher than nut

NOTICE

Recommended concrete strength is C30 or equivalent.

2.2.3.3 Anchor Information

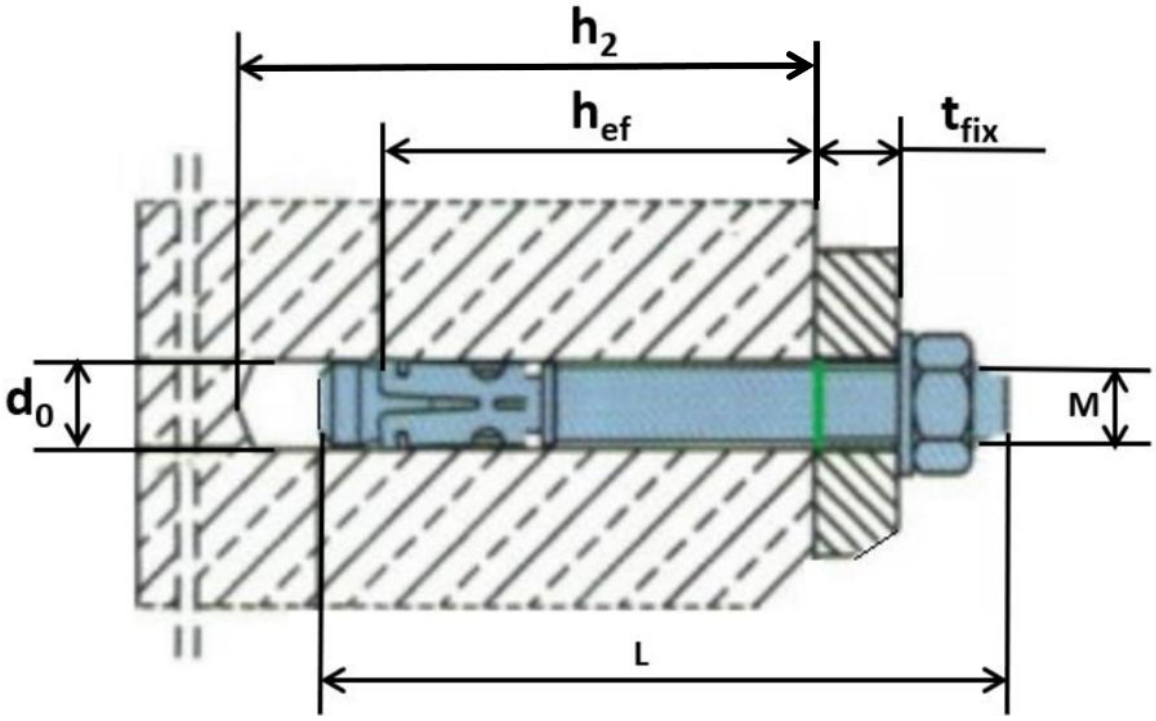
Table 2-5 Anchor Information

Part Number	5890428
Part Description	Anchor M12x140
Specifications	Thead M12 Anchor total length 140 [mm]
Anchor Material	Stainless Steel, A2-70
Nut	Hex Nut GB/T 6170 M12 A2-70, Qty: 1
Washer	Large Plain Washer, GB/T 96.1 12 A2, Qty: 1

Figure 2-4 Anchor

The following installation parameters are recommended by the supplier and are for installation reference.

Figure 2-5 Anchor Parameters



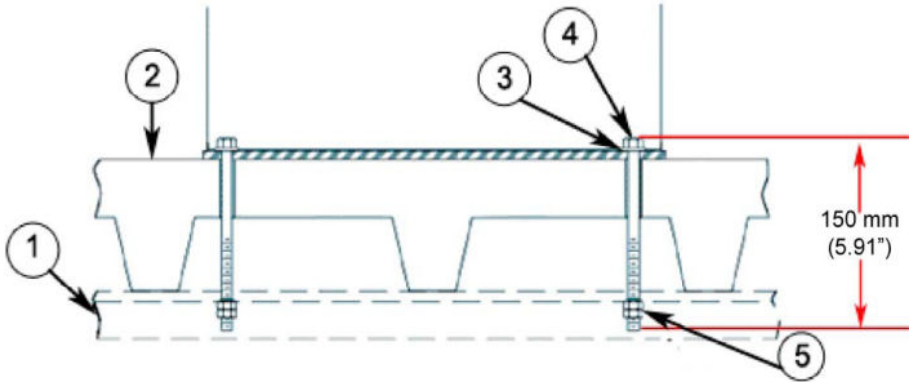
d_0	Drill diameter	12 mm
h_2	Min. drill hole depth for through fixings	90 mm
h_{ef}	Min. effect anchoring depth	70 mm
t_{fix}	Max. thickness of the fixture	50 mm
L	Anchor total length	140 mm
M	Anchor diameter	M12

2.2.3.4 Pan-Type Floor Construction Requirement

NOTE
It is the responsibility of the customer/contractor/Structural engineer to design/ provide/and install an alternate solution for anchoring if the anchors supplied by GE HealthCare can't be used.

If the floor thickness is less than 95 mm (3.74 in.), it is recommended that the unit be secured using a through-bolt method with a reinforcement plate on the back side. For pan-type floor construction, steel channels must be designed by a local structural engineer to span floor joists. See Figure 2-6 Thru-Bolt Floor Mounting (Pan-Type Floor Construction) on page 36.

Figure 2-6 Thru-Bolt Floor Mounting (Pan-Type Floor Construction)



Item	Description
1	For Pan-Type Floor Construction Joists Must Be Spanned With Steel Channels (Customer Furnished)
2	Floor
3	Flat Washer
4	Thru Bolt for 16 mm (Hole Of Appropriate Length.)
5	2-Hex Nuts

2.2.3.5 Floor Requirements for Table

The Table Assembly is placed on the floor, which must accept the weight and the weight/area defined in 2.3.10 Weights, Floor/Ceiling Loading and Recommended Mounting Methods on page 71.

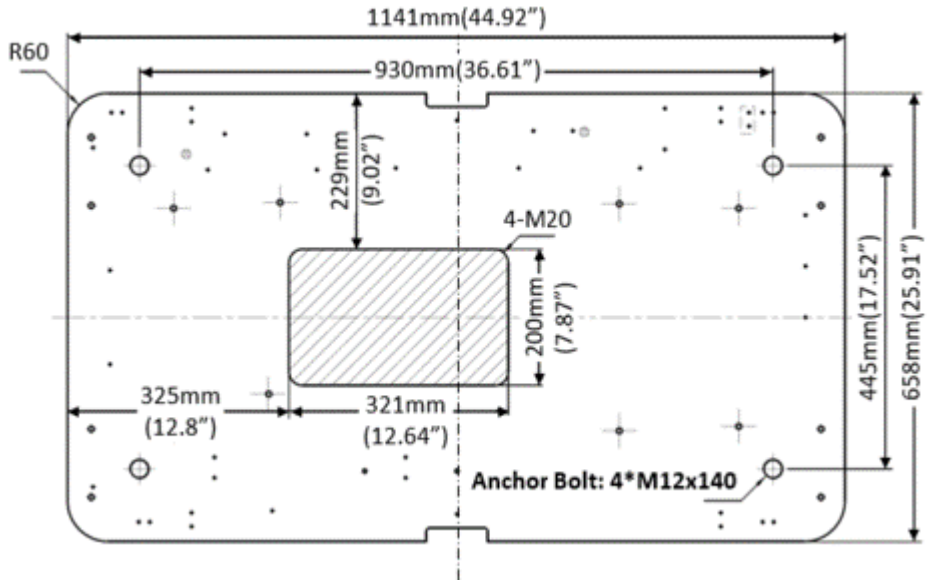
The table installation specifications are as follows, and the floor needs to meet these installation requirements:

- The whole table weight is 385 kg; the mounting area refer to Figure 2-7 Floor Mounting - Table Assembly on page 37.
- The dimension for the floor anchors is M12*140 mm.
- The hole drilling diameter is ϕ12 mm.
- The hole drilling depth is ≥ 90 mm (3.54 in.)
- Anchors require a minimum effect anchoring depth of 70 mm (2.76 in.) into the concrete.

- The top thread surface of anchor is at least **NOT** lower than the top surface of nut after the table installation.
- The ground surface must be approximately level.
- The table system must be fixed solidly to the floor and must follow the torque requirements of the anchor.

The floor bearing the system must be concrete and the thickness to be determined by a Structural Engineer to properly support the equipment loads. The supplied anchors require a minimum embedment of 70 mm (2.76 in.) into the concrete. If the floor thickness is less than 95 mm (3.74 in.), it is recommended that the unit be secured using a through-bolt method with a reinforcement plate on the back side. For additional details, see Figure 2-6 Thru-Bolt Floor Mounting (Pan-Type Floor Construction) on page 36.

Figure 2-7 Floor Mounting - Table Assembly



2.2.3.6 Floor Requirements for Wall Stand

The Wall Stand Assembly is placed on the floor, which must accept the weight and the weight/area defined in 2.3.10 Weights, Floor/Ceiling Loading and Recommended Mounting Methods on page 71.

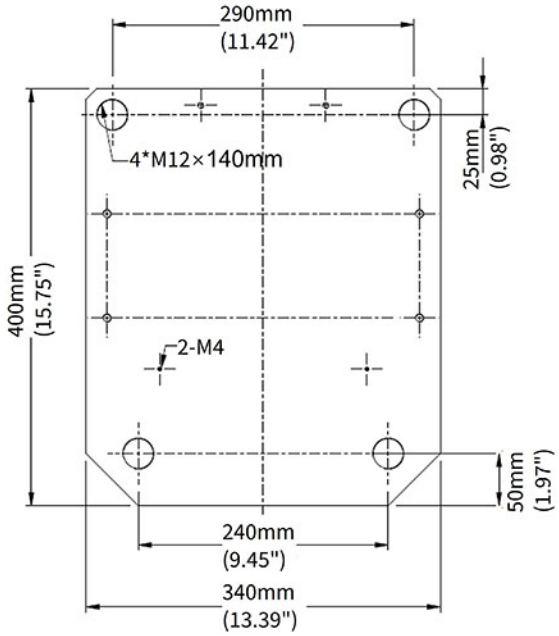
- The weight of the complete wall stand is 200 kg.
- The dimension for the floor anchors is M12 * 140 mm.
- The hole drilling diameter is ϕ12 mm.
- The hole drilling depth is ≥ 90 mm (3.54 in.)
- Anchors require a minimum effect anchoring depth of 70 mm (2.76 in.) into the concrete.
- The ground surface must be approximately level.
- The Wall Stand system must be attached to the floor.

CAUTION

Concrete area for wall stand installation should be 0.1 m^2.

The floor bearing the system must be concrete and the thickness to be determined by a Structural Engineer to properly support the equipment loads. The supplied anchors require a minimum embedment of 70 mm (2.76 in.) into the concrete. If the floor thickness is less than 95 mm (3.74 in.), it is recommended that the unit be secured using a through-bolt method with a reinforcement plate on the back side. For additional details, see Figure 2-6 Thru-Bolt Floor Mounting (Pan-Type Floor Construction) on page 36.

Figure 2-8 Floor Mounting – Wall Stand



2.2.4 Ceiling Requirements

NOTE

- To allow installation of the stationary rail cross-members, clearance is required between the ends of the stationary rails and the walls.
- It is recommended that sprinkler heads not be placed between the stationary rails. All sprinkler heads should be mounted so they do not extend downward more than 1/4” (6.35 mm) from the ceiling while in the ’resting’ position.
- In addition, there should not be anything mounted in the ceiling (i.e. lights, A/C returns, etc) between the stationary rails. This is because the OTS longitudinal drive belt assembly is located on the movable bridge, approximately centered between the two stationary rails, and may come into contact with those ceiling-mounted items during normal use.

2.2.4.1 Rail & Bridge and Room Heights

Complete details of room dimensions must be known when planning an installation. Work with the architect or building engineer and obtain approval from the customer before proceeding with the layout plan.

Methods of support that will permit attachment to structural steel or through bolts in concrete construction should be favored. Do not use anchors in direct tension.

Each rail has mounting holes on 660.4 mm (26 in) centers with the first hole located 55 mm (2 in) from the rail mount end. The last hole is located either 55 mm (2 in) from the other end with a variable space of less than 660.4 mm (26 in) between it and the second last hole.

The OTS column to tube has an adapter, can adjust the height of focal-spot to ceiling, please follow below Table to decide what ceiling height is best choice.

Table 2-6 Recommended and Minimum Room Heights (Floor to Top of Longitudinal Rail)

Configuration		Specification	Ceiling/mm
Wall Stand Type	**Wall Stand Position**		
Table + Extend Wall Stand	Wall Stand at foot side	Recommend	2860(112.6")
		Range	2715(106.89")-2887(113.66")
	Wall Stand at head side	Recommend	2860(112.6")
		Range	2587(101.85")-2887(113.66")
Table + Non-tilting Wall Stand	Wall Stand at foot side/ head side	Recommend	2860(112.6")
		Range	2587(101.85")-2887(113.66")
	Wall Stand at front side/rear side	Recommend	2860(112.6")
		Range	2715(106.89")-2887(113.66")

NOTE

If the Wall Stand center line layout under the rail, to avoid the Wall Stand lateral patient bar conflict rail, the minimum ceiling height should be 2715mm(106.9").

If the ceiling height lowest than 2628mm(103.46"), please add wording to drawing as below:

“Please pay attention to the Wall Stand patient lateral bar, it has risk to hit the rail when lift Wall Stand to maximum height.”

There are 3 adapters for tube installation, the manufacture default is the ‘long’ one, but if the ceiling height is not applicable for default adapter, should change the other one refer to following table.

Adapter	Applicable ceiling height
Long	2587(101.85")-2687(105.29")(include) or lower than 2587(101.85")
Medium	2687(105.29")-2787(109.72")(include)
Short	2787(109.72")-2887(113.66")(include) or higher than 2887(113.66")

Please add the adapt length information basis on the final room ceiling.

Room Ceiling Height Calculation Formula

The principle is to ensure OTS can align to Wall Stand center during the whole travel range (1500 mm)(59.06").

Without footstool:

Highest room ceiling = largest focal spot to ceiling minimum distance (1002 mm) + OTS travel range (1600 mm) + lowest Wall Stand center line to ground (285 mm) = 2887 mm (113.66")

Lowest room ceiling = smallest focal spot to ceiling minimum distance (802 mm) + Wall Stand travel range (1500 mm) + lowest Wall Stand center line to ground (285 mm) = 2587 mm (101.85")

Figure 2-9 Wall Stand at Foot Position Ceiling Interference Status

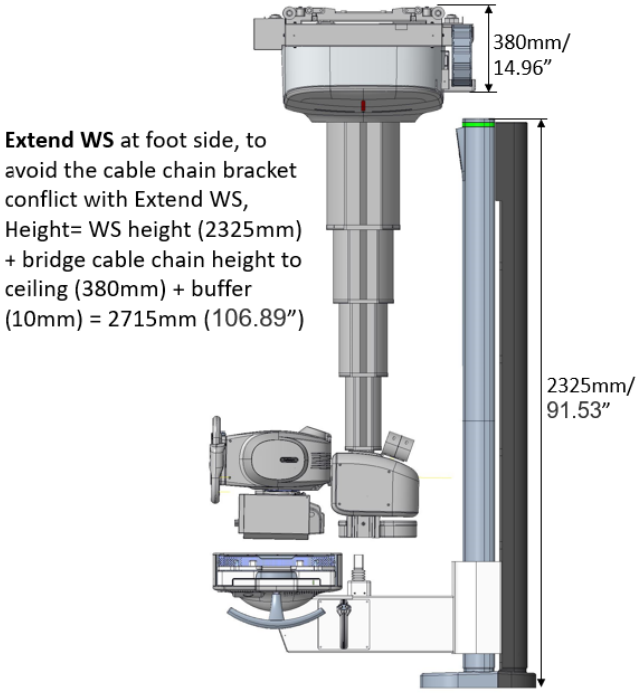


Figure 2-10 Wall Stand at Head Position Interference Status

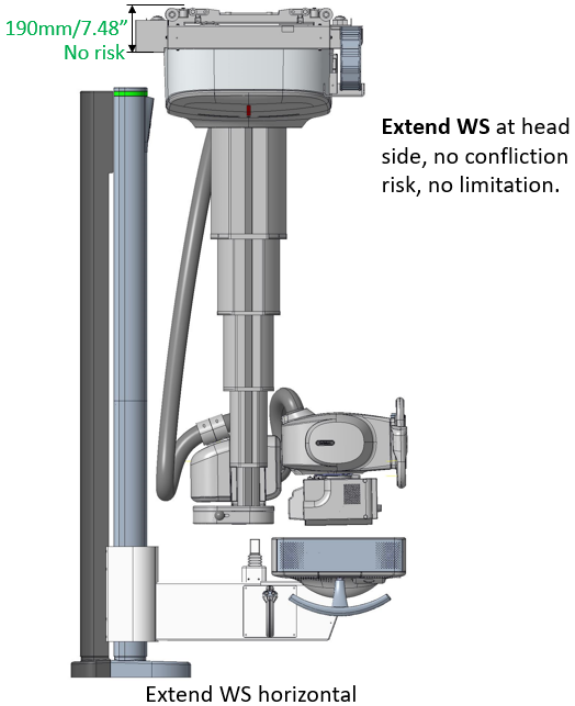
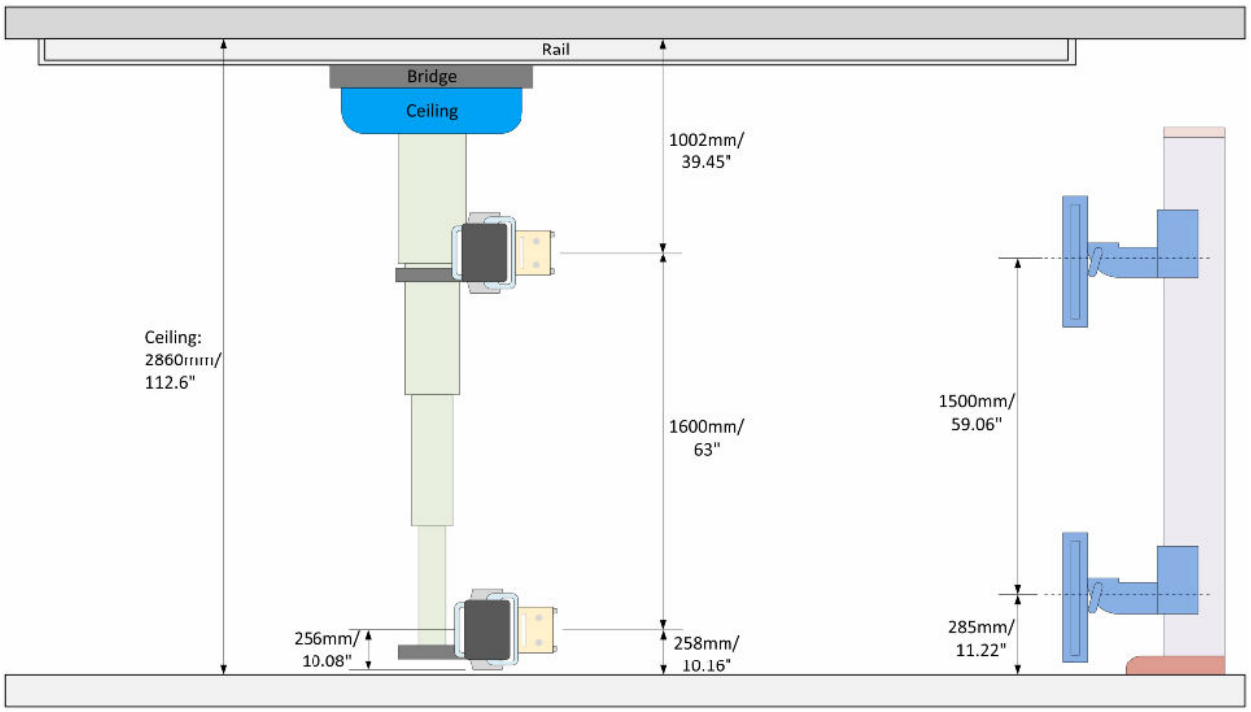


Figure 2-11 Recommended Ceiling Height 2860 mm (112.6'')

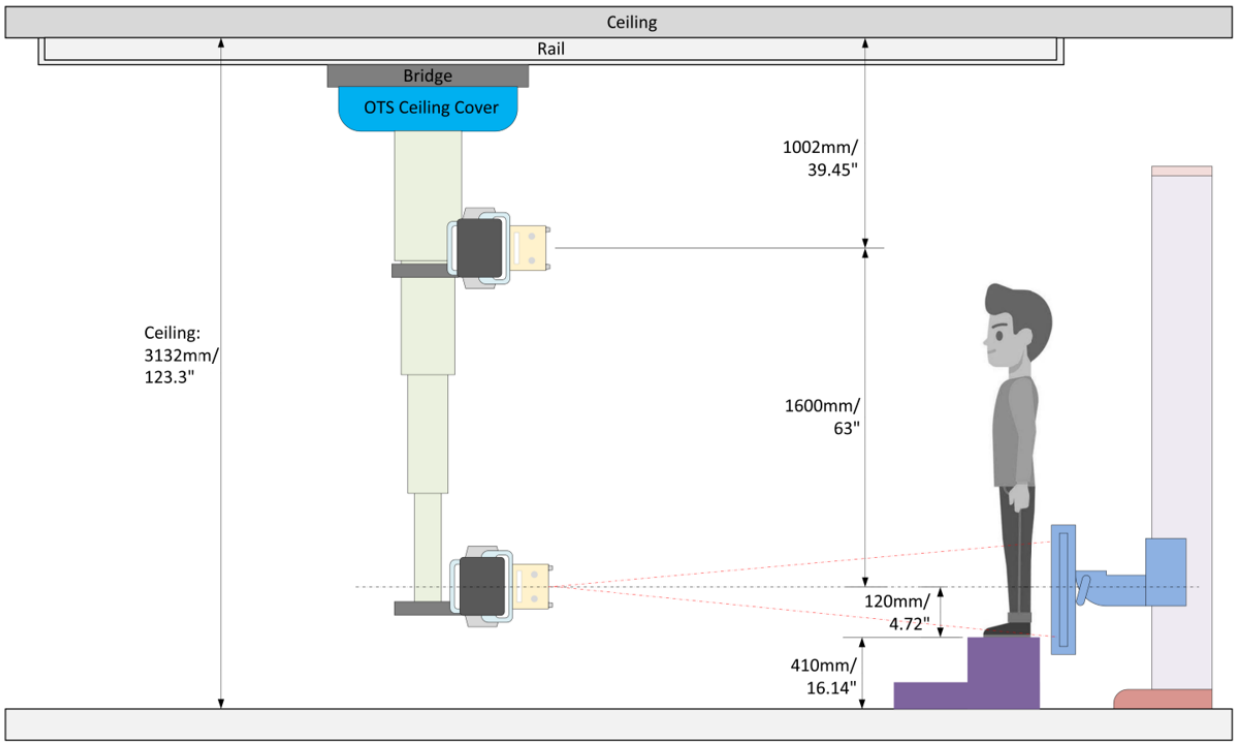


- Lowest point of OTS could touch floor
  Tube focal spot lowest Height=2860-1002-1600=258 mm(10.16")＜ Wall Stand lowest position(285 mm) (11.22")
- Tube focal spot highest height=2860-1002=1858 mm (73.15")＞ Wall Stand highest position(1500 mm+285 mm=1785 mm) (70.28")

With footstool:

Assuming, customer using the highest footstool is 410 mm (the other is 170 mm or 267 mm).

Then, highest room ceiling = footstool height (410 mm) + Wall Stand center to footstool surface (120 mm) + OTS travel range (1600 mm) +largest focal spot to ceiling minimum distance (1002 mm) = 3132 mm (123.31").



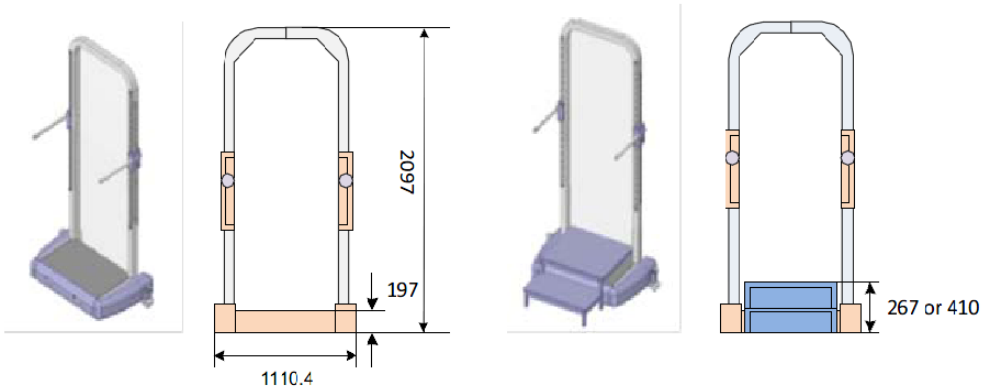
NOTE

After calculated image pasting scenario based on software package and new patient barrier (19.7 cm height platform), the relationship between ceiling height and footstool was shown in below table.

Table 2-7 Ceiling Height With Footstool

Ceiling Height (mm)	Comments
2587 ~ 2919 (101.85" ~ 114.92")	Patient barrier platform (197 mm) only, No need for footstool
2919 ~ 2989 (114.92" ~ 117.68")	Need 267 mm footstool
2989 ~ 3132 (117.68" ~ 123.31")	Need 410 mm footstool

Figure 2-12 Patient Barrier Platform With Footstool



2.2.4.2 Room Structure Requirements

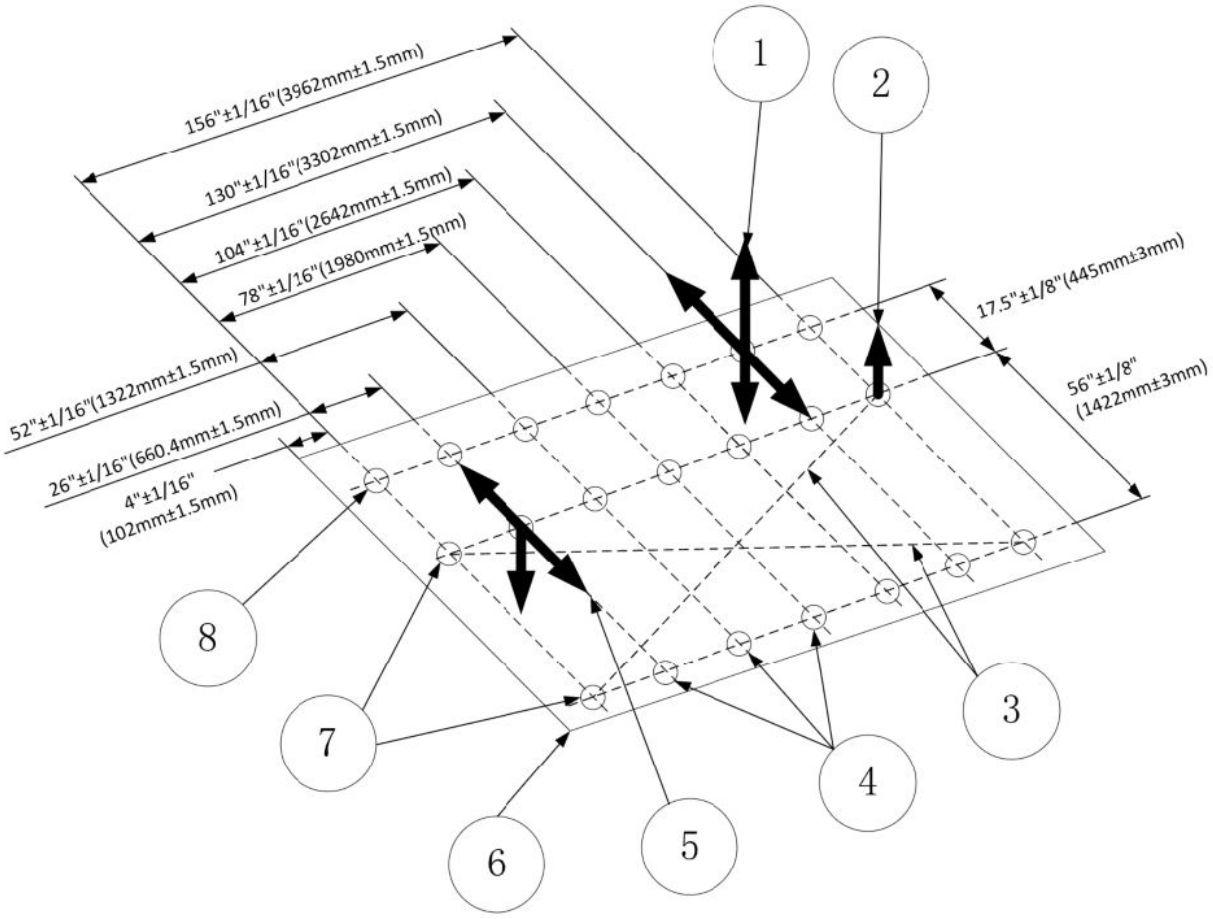
NOTICE

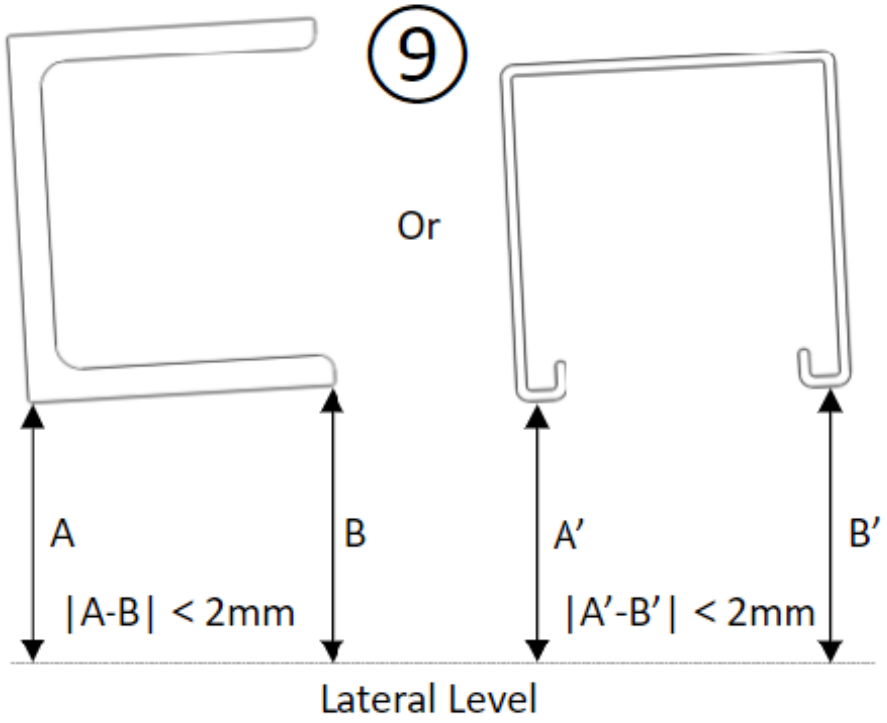
For Unistrut Structure: Referring to the layout drawings, the ± 3 mm (1/8 inch) requirement for parallelism of the stationary rail is critical. Therefore, great care must be exercised in locating the mounting points. Figure 2-14 Specifications for a Typical 4115mm (13’- 6") Stationary Rail Mounting Interface (Both Rails Ceiling Mounted) with 3M Bridge on page 46 through Figure 2-13 Specifications for a Typical 4115mm (13’- 6") Stationary Rail Mounting Interface (Both Rails Ceiling Mounted) with 2M Bridge on page 44 outline requirements that the stationary rail mounting interface must meet.

For site planning, please refer to the Illustrations in the section 2.3 System Component Dimensions and Weights on page 58.

For low ceiling height: the stationary rails may be mounted directly to the ceiling slab or to flush mounted Unistrut or similar structure. For higher rooms in which a false ceiling is to be used, the stationary rails may be attached to rigid vertical members hung from the ceiling slab. A supplementary channel may be secured to the bottom of the vertical members to facilitate provision for mounting holes. A Unistrut system or equivalent is a convenient type of support to employ.

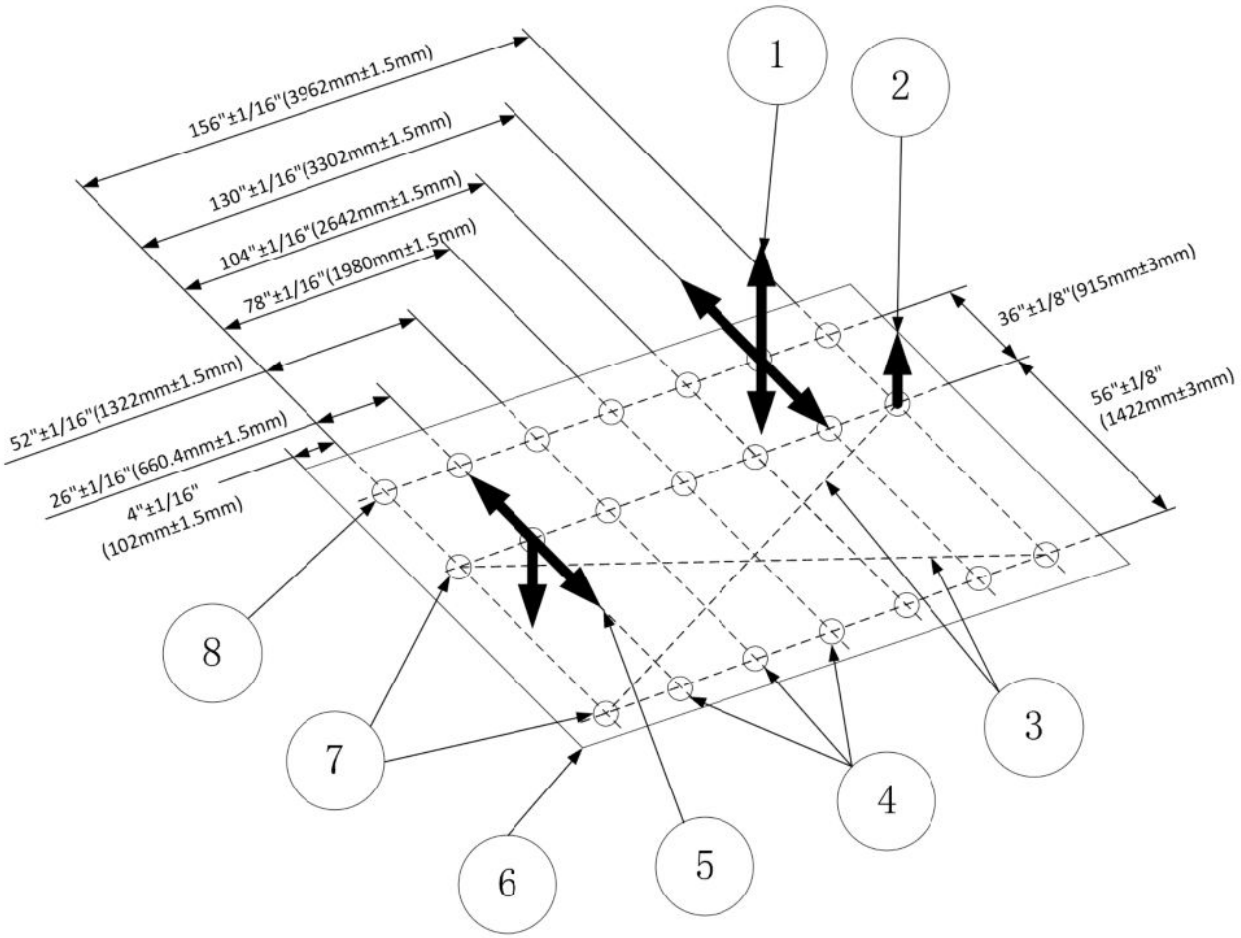
Figure 2-13 Specifications for a Typical 4115mm (13’- 6") Stationary Rail Mounting Interface (Both Rails Ceiling Mounted) with 2M Bridge

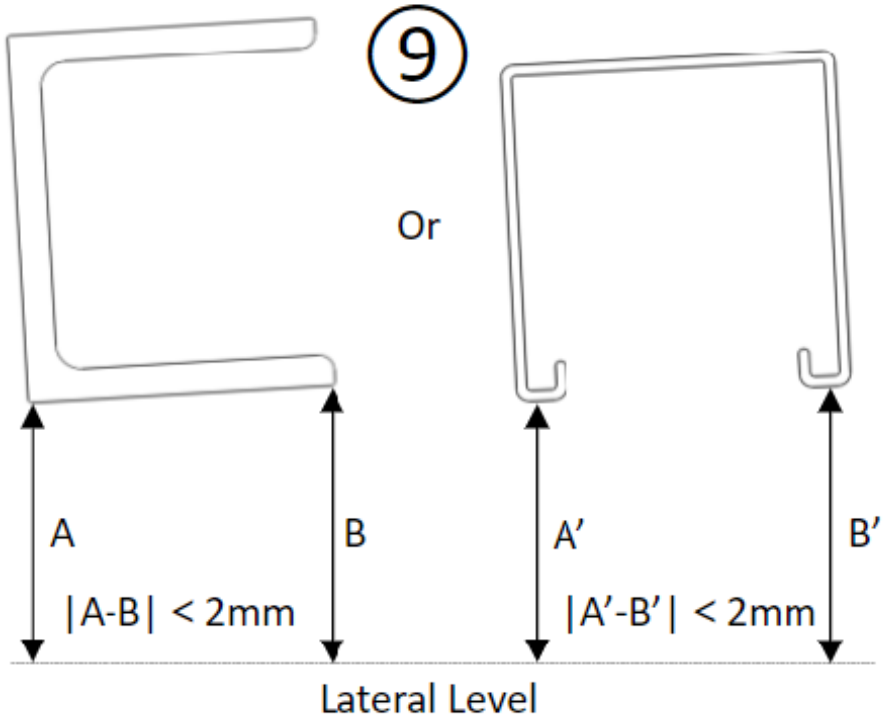




Item	Description
1	When a 50 lb. (22.7 kg) force is applied vertically upward, vertically downward, or horizontally at any support rail mounting point, the attachment interface must not deflect more than 1/16" (1.5 mm).
2	When a 100 lb. (45.4 kg) force is applied vertically upward at any stationary rail mounting point, the attachment interface MUST not deflect more than 1/16" (1.5 mm).
3	Diagonals must be equal within ±1/16" (1.5 mm).
4	All mounting points must be located on a common centerline within ±1/16" (1.5 mm).
5	When a 300 lb. (136 kg) load is applied vertically downward or horizontally at any stationary rail mounting point, the attachment interface MUST not deflect more than 1/16" (1.5 mm).
6	All mounting points must be in the same horizontal plane within ±1/16" (1.5 mm)
7	Stationary rail mounting points must be parallel within ±1/16" (1.5 mm)
8	The bottom surface of stationary rail and cable support rail must be flat, no obvious protrusions large than 1mm. (only applied for non-Unistrut construction)
9	The bottom surface of the stationary rail and cable support rail must be horizontal, the height difference between each support rail edge along the lateral direction must be less than 2 mm (or angle with level along lateral direction must less than 2 degree).

Figure 2-14 Specifications for a Typical 4115mm (13’- 6") Stationary Rail Mounting Interface (Both Rails Ceiling Mounted) with 3M Bridge





Item	Description
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2	When a 100 lb. (45.4 kg) force is applied vertically upward at any stationary rail mounting point, the attachment interface MUST not deflect more than 1/16" (1.5 mm).
3	Diagonals must be equal within ±1/16" (1.5 mm).
4	All mounting points must be located on a common centerline within ±1/16" (1.5 mm).
5	When a 300 lb. (136 kg) load is applied vertically downward or horizontally at any stationary rail mounting point, the attachment interface MUST not deflect more than 1/16" (1.5 mm).
6	All mounting points must be in the same horizontal plane within ±1/16" (1.5 mm)
7	Stationary rail mounting points must be parallel within ±1/16" (1.5 mm)
8	The bottom surface of stationary rail and cable support rail must be flat, no obvious protrusions large than 1mm. (only applied for non-Unistrut construction)
9	The bottom surface of the stationary rail and cable support rail must be horizontal, the height difference between each support rail edge along the lateral direction must be less than 2 mm (or angle with level along lateral direction must less than 2 degree).

CAUTION

Potential for injury and/or Equipment Damage:

Maximum load per screw is 160kg (353lb), however, each mounting screw must not "Pull Out" or otherwise fail under a vertically downward dead load of 635kg (1400lb).

Figure 2-15 Suggested UNISTRUT Structure for OTS Suspension with 2 m Bridge

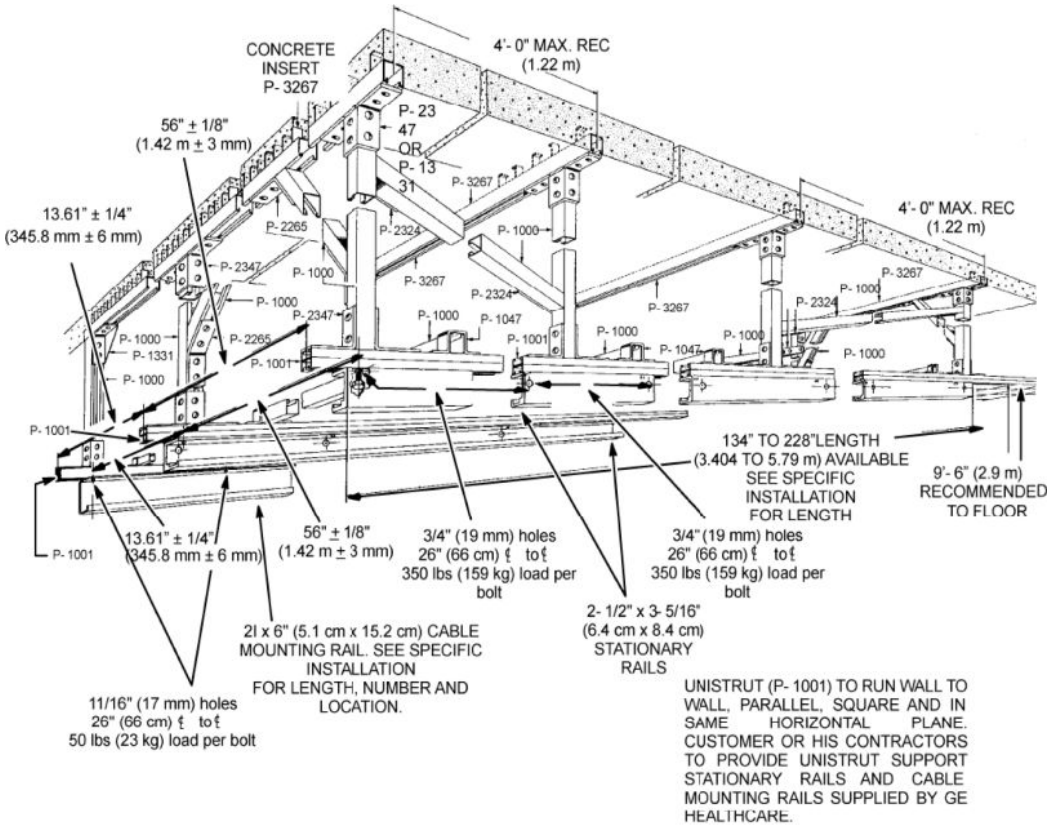


Figure 2-16 Suggested UNISTRUT Structure for OTS Suspension with 3 m Bridge

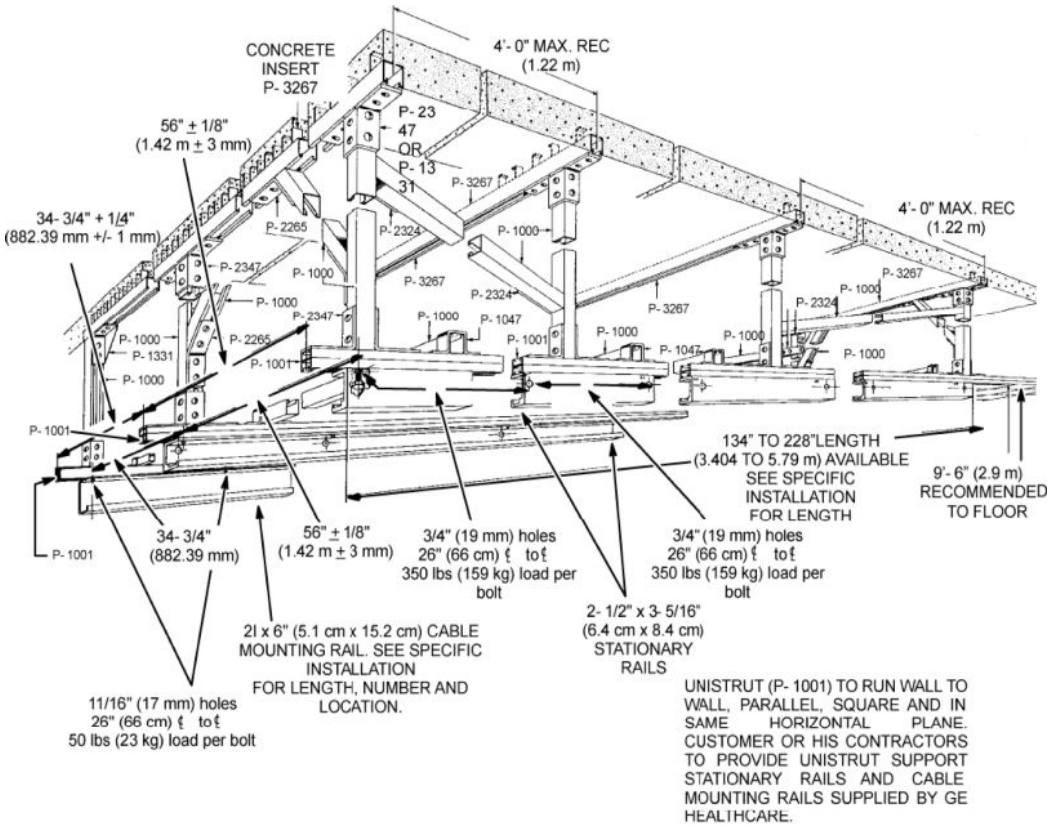


Figure 2-17 Stationary Rail Mounting Locations and Clearances with 2M Bridge

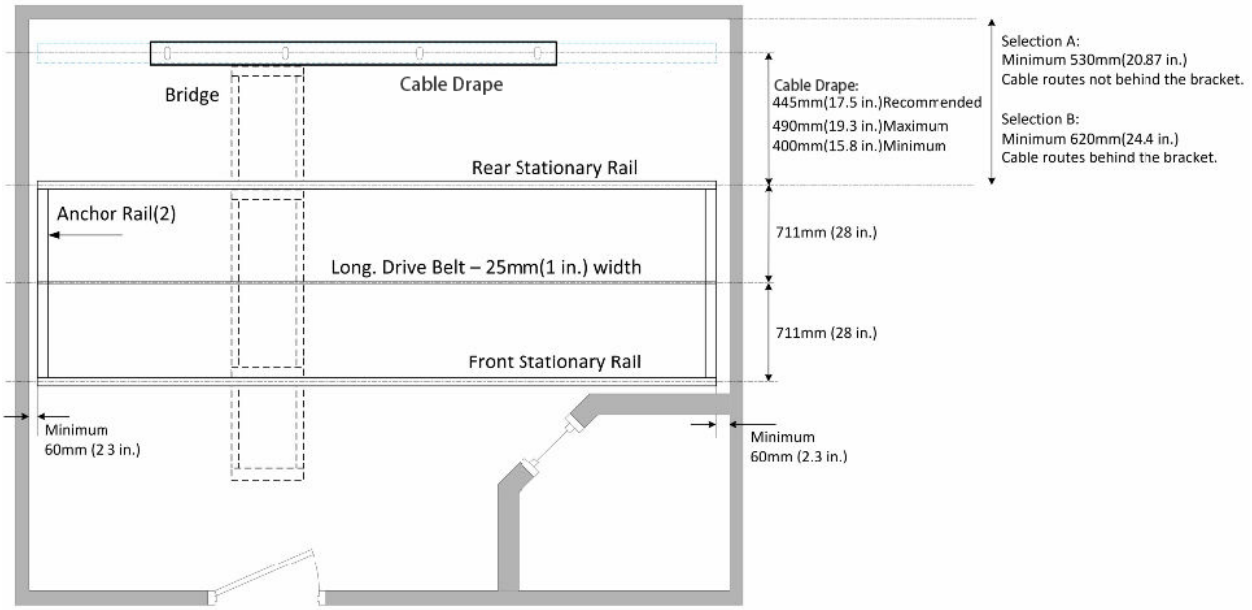
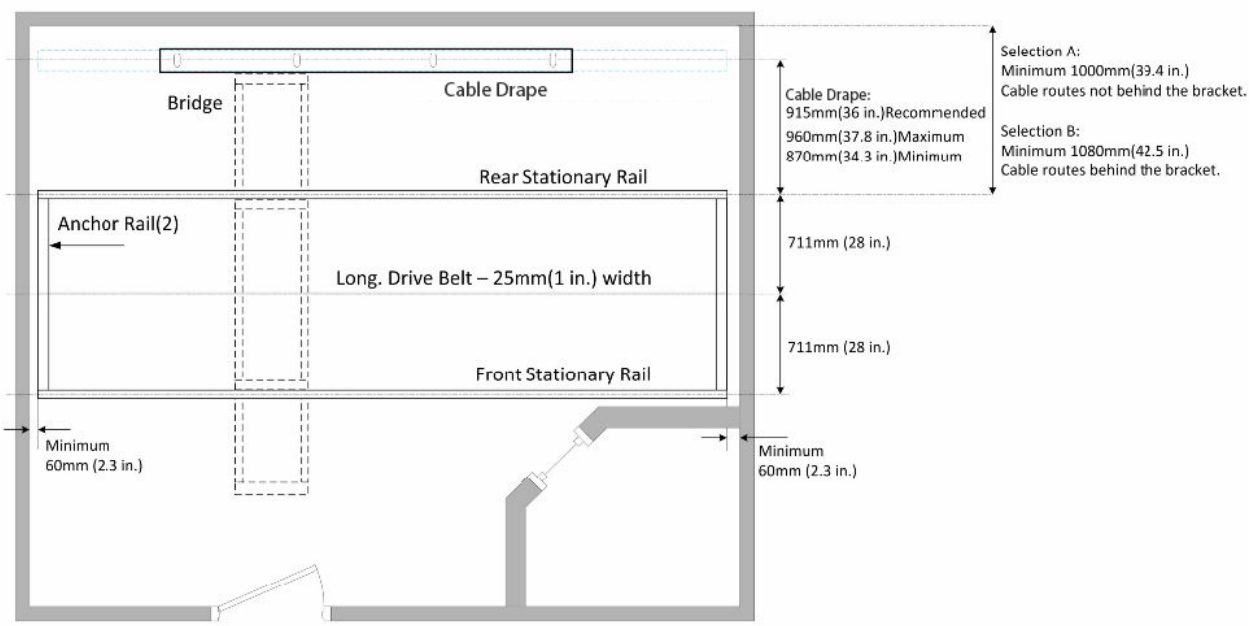


Figure 2-18 Stationary Rail Mounting Locations and Clearances with 3M Bridge



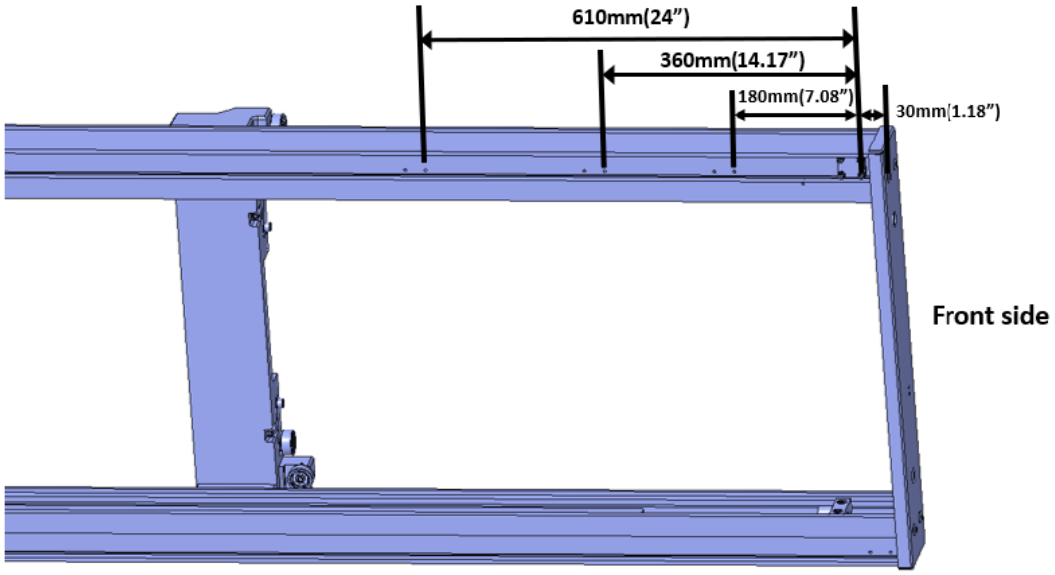
2.2.4.3 Modify Bridge Length

NOTE

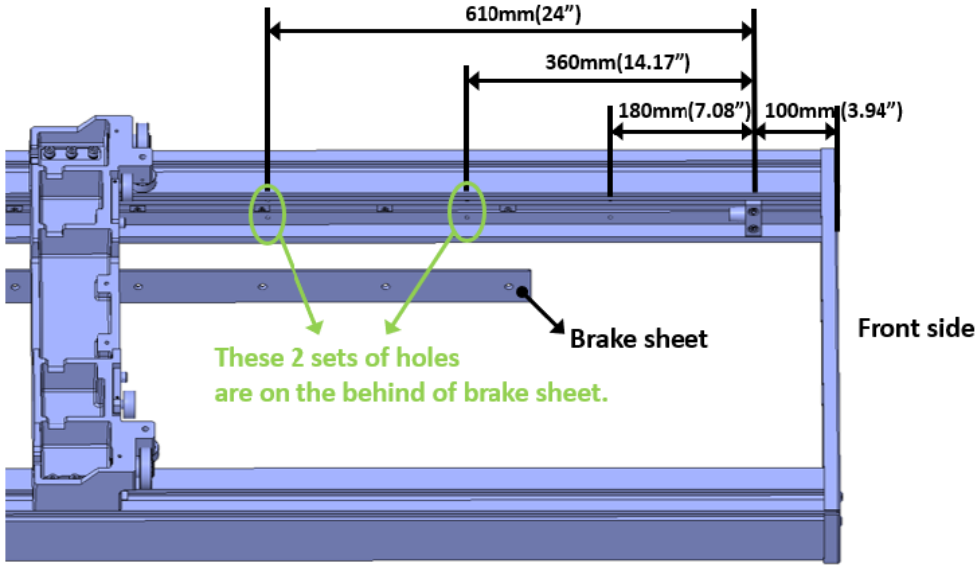
For some special room, the front stationary rail is close to wall, so we have to cut bridge, only the front side can be cut and the cut length must not exceed 650mm(25.6"), (only applied for Tempo 3m bridge). Otherwise it will impact installation.

1. The Definium Tempo Select 3m bridge provide additional 3 sets of mounting holes for OTS lateral travel range bumper and lateral belt fixed mounting block, if the bridge cutting length is 7.08” (180 mm), 14.17”(360 mm) or 24.2”(610 mm), we can reuse these holes, as below:

   - Additional holes for lateral belt fixed mounting block at bridge front side:



   - Additional holes for lateral travel range bumper at bridge front side:



2. If the bridge cutting length is not same with the 7.08" (180 mm), 14.17"(360 mm) or 24.2"(610 mm), FE have to re-drill all the mounting holes for lateral travel range bumper, lateral belt fixed mounting block, bridge end cap. The detail re-drill mounting holes procedure refer to installation manual, section "Modify bridge length".

2.2.4.4 12m Rail Mounting Requirement

Figure 2-19 Specifications for a 12M Rail (12.192m (40 ft)) Stationary Rail Mounting Interface (Both Rails Ceiling Mounted) with 2M/3M Bridge

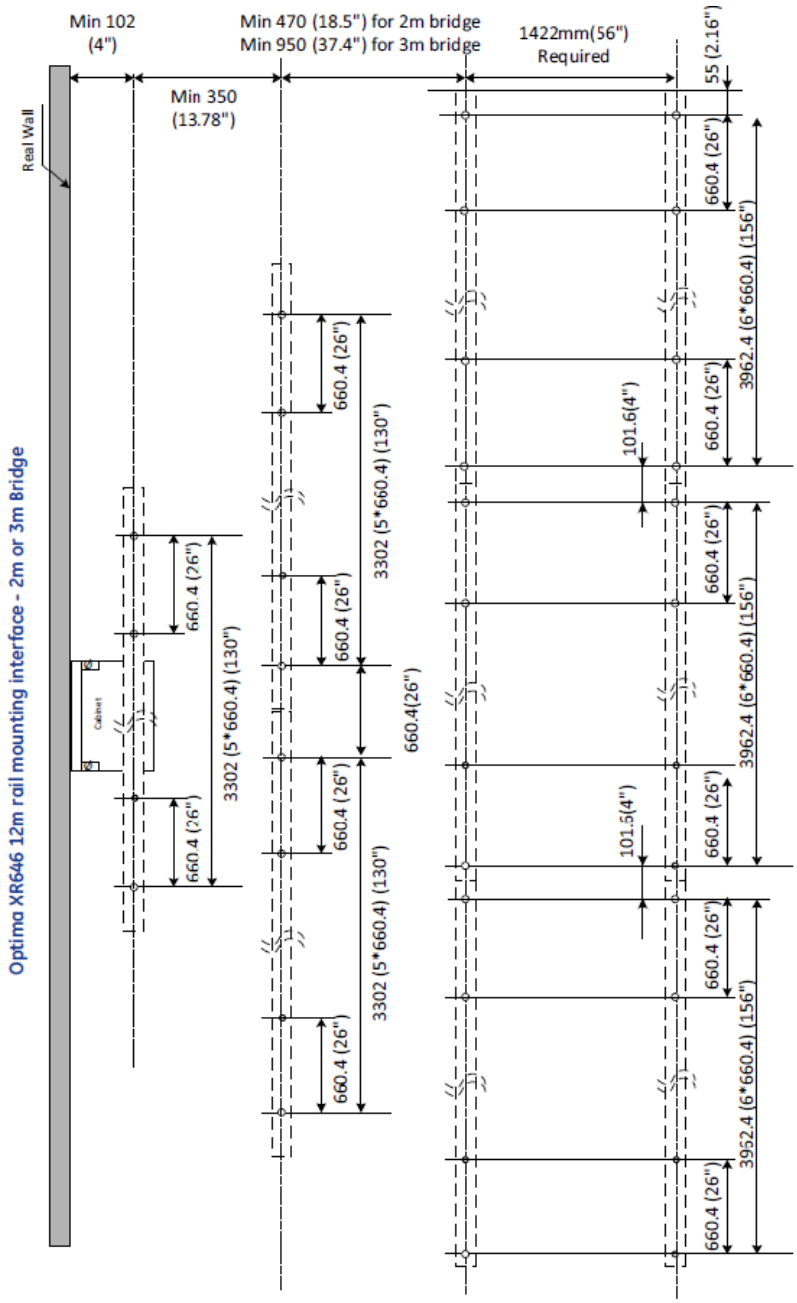


Figure 2-20 OTS Cable Drape Routing

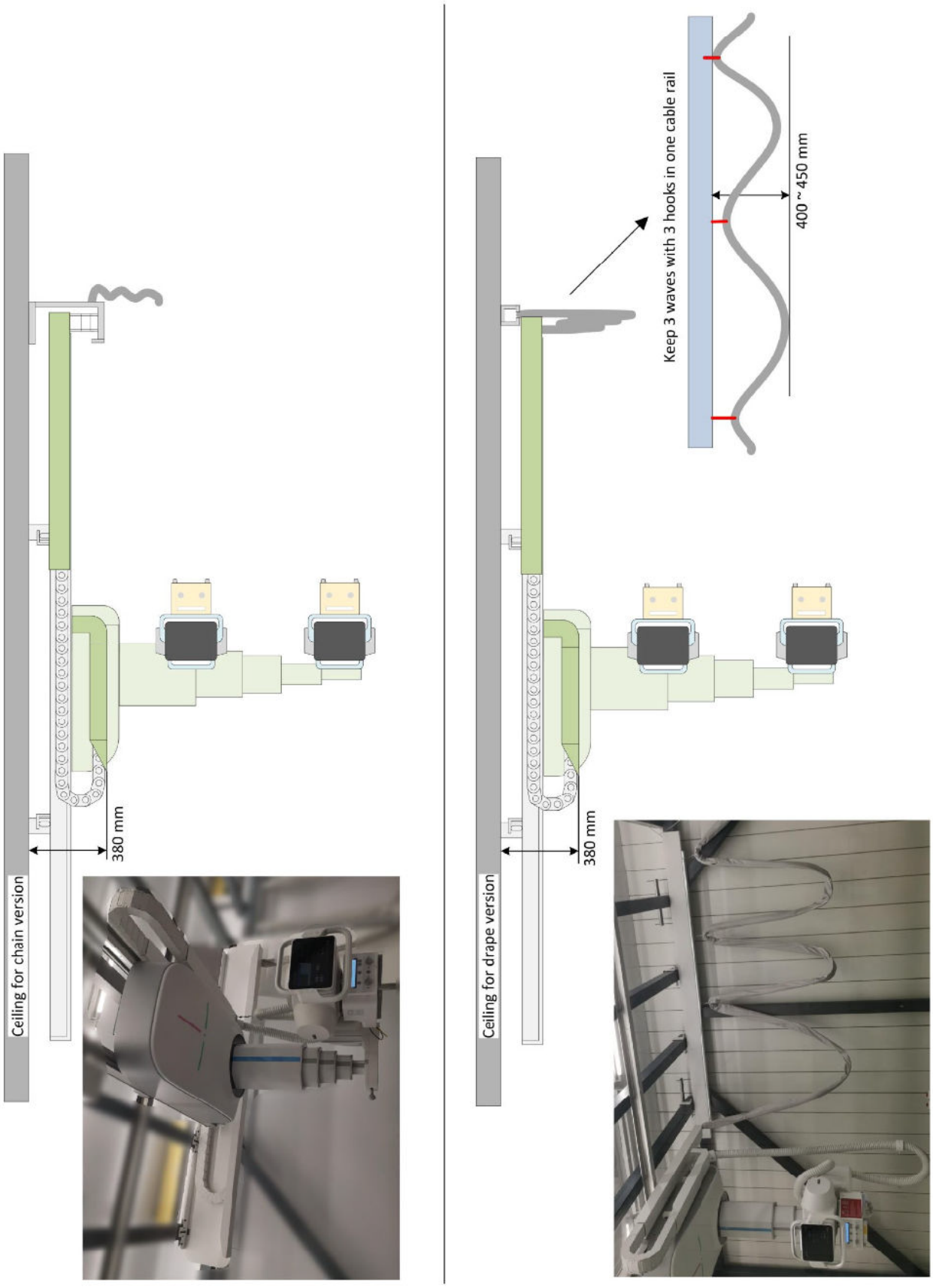
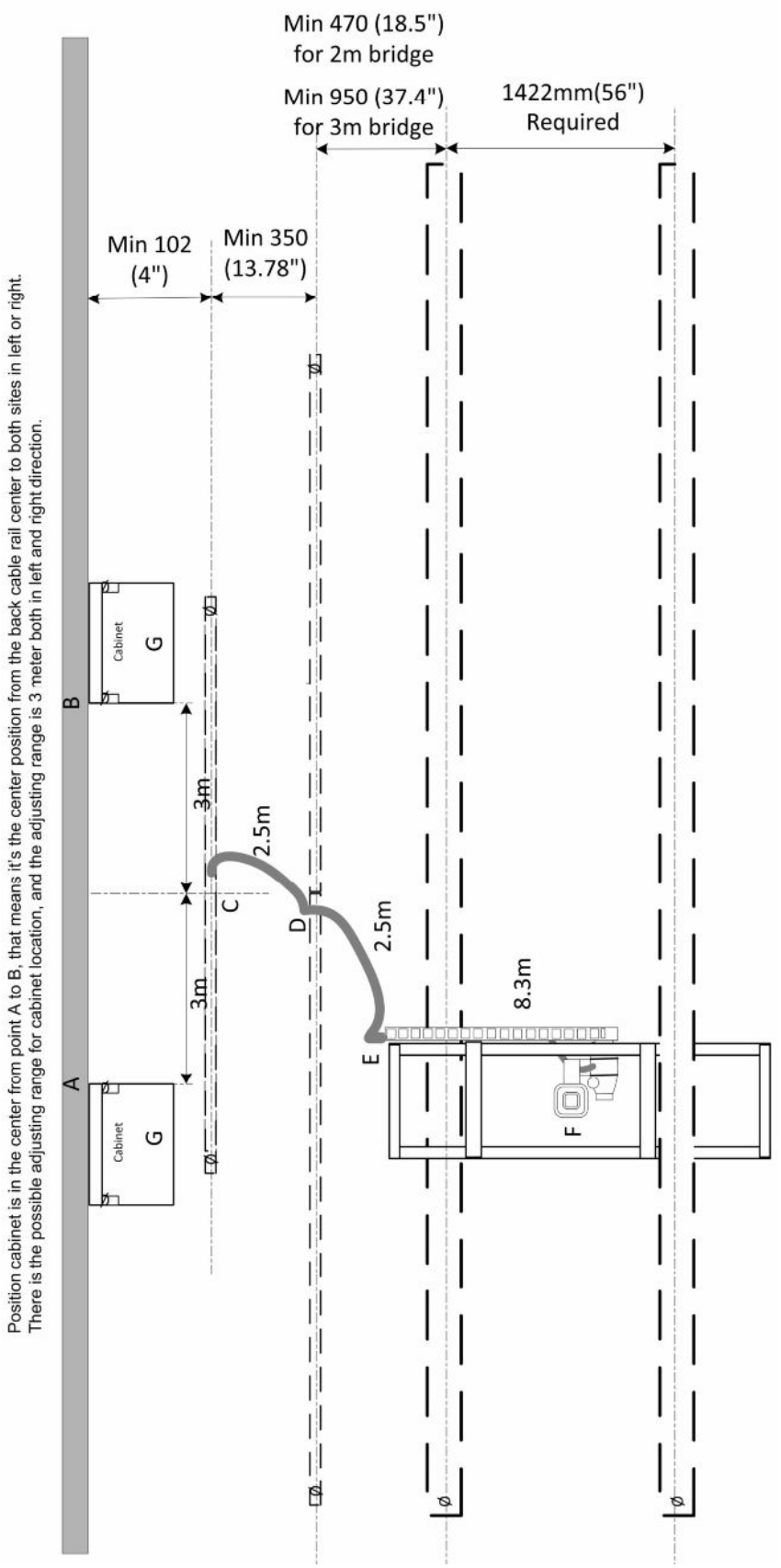


Figure 2-21 12 Meter Rail Cable Routing

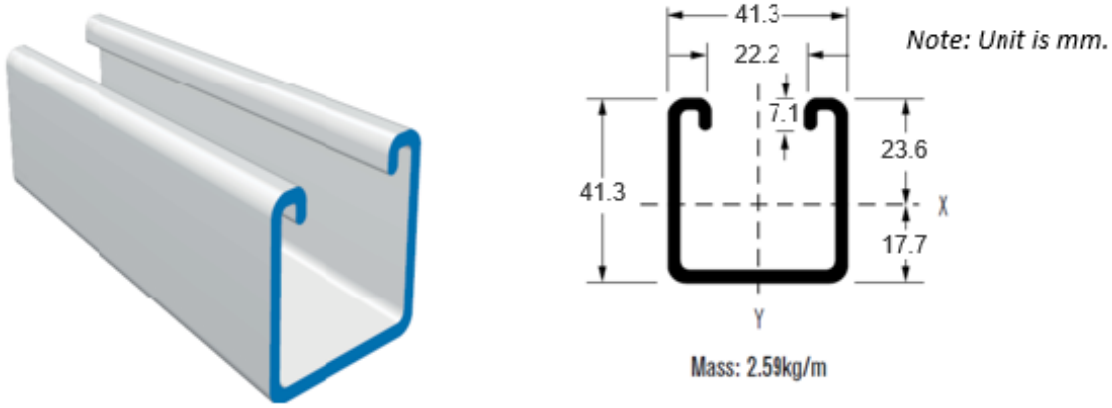


2.2.4.5 Universal Rail Requirements

Universal Rail is an optional typical rail that can replace the normal stationary rail, stationary rail and Universal rail can only be installed one of two.

1. The Universal Rail only applied for typical Unistrut ceiling structure, the Unistrut should perpendicular to Universal Rail, the Unistrut type as below:

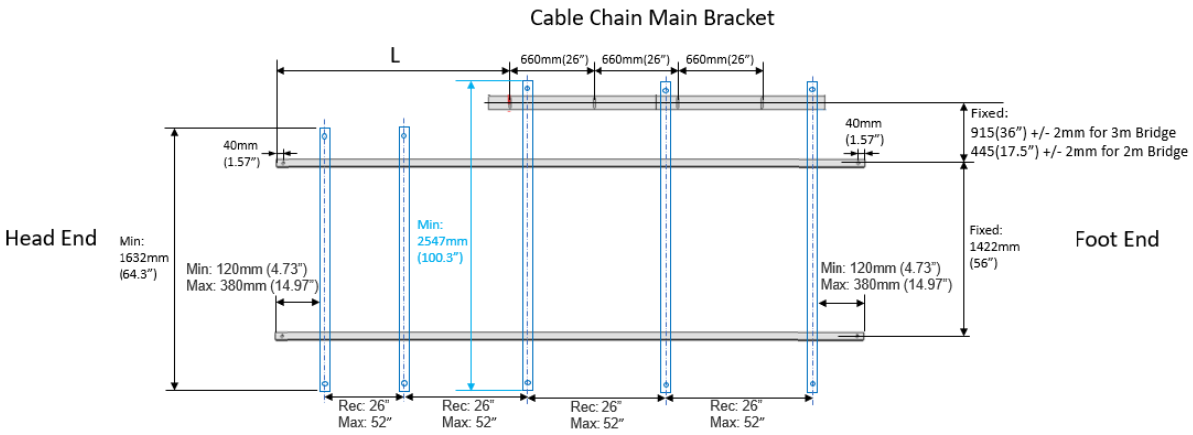
Figure 2-22 Unistrut Type



2. The universal rail length selections are all same with formal production rails.
3. The Unistrut requirements could refer to Figure 2-13 Specifications for a Typical 4115mm (13’- 6") Stationary Rail Mounting Interface (Both Rails Ceiling Mounted) with 2M Bridge on page 44 and Figure 2-14 Specifications for a Typical 4115mm (13’- 6") Stationary Rail Mounting Interface (Both Rails Ceiling Mounted) with 3M Bridge on page 46.
4. When the Unistrut is not enough to support longitudinal cable chain bracket, **we should ask customer re-build additional mounting point** to install the bracket, the Universal Rail Unistrut position requirements as below:
The dimension “L” is the same with the formal production rail requirements, refer below:

Rail length	G2: 138"	G8: 162"	G11: 174"	G14: 186"	G17: 198"	G20: 210"	G23: 222"	G24: 228"
“L” is	32"	56"	42"	54"	40"	52"	38"	44"

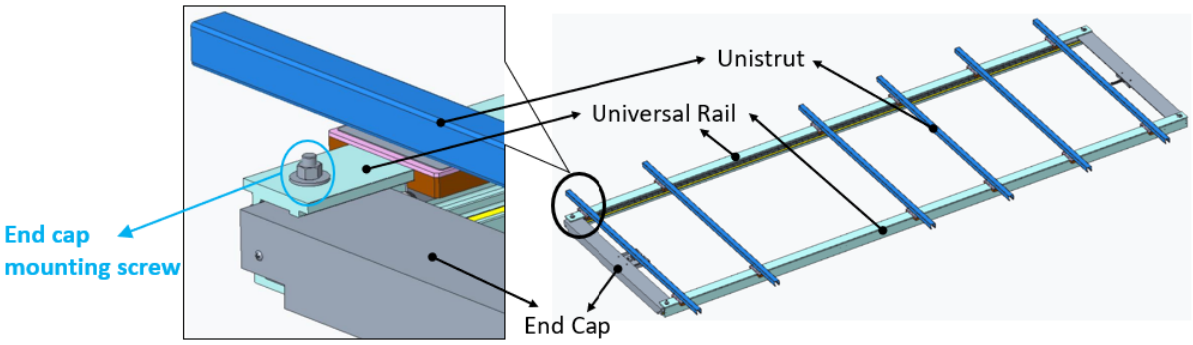
Figure 2-23 Universal Rail Unistrut Position Requirements



NOTE
If the dimension 2547 mm (100.3") (blue color) can't meet, need provide additional Unistrut for longitudinal cable installation.

5. The Longitudinal Cable bracket mounting point requirements can refer to Figure 2-14 Specifications for a Typical 4115mm (13'- 6") Stationary Rail Mounting Interface (Both Rails Ceiling Mounted) with 3M Bridge on page 46 or Figure 2-13 Specifications for a Typical 4115mm (13'- 6") Stationary Rail Mounting Interface (Both Rails Ceiling Mounted) with 2M Bridge on page 44
6. There are 2 holes at the end of universal rail need to insert to ceiling, due to install the "end cap" mounting screws should cross the Universal rail, need provide holes for the screws' installation. As below:

Figure 2-24 Holes for End Cap Screws



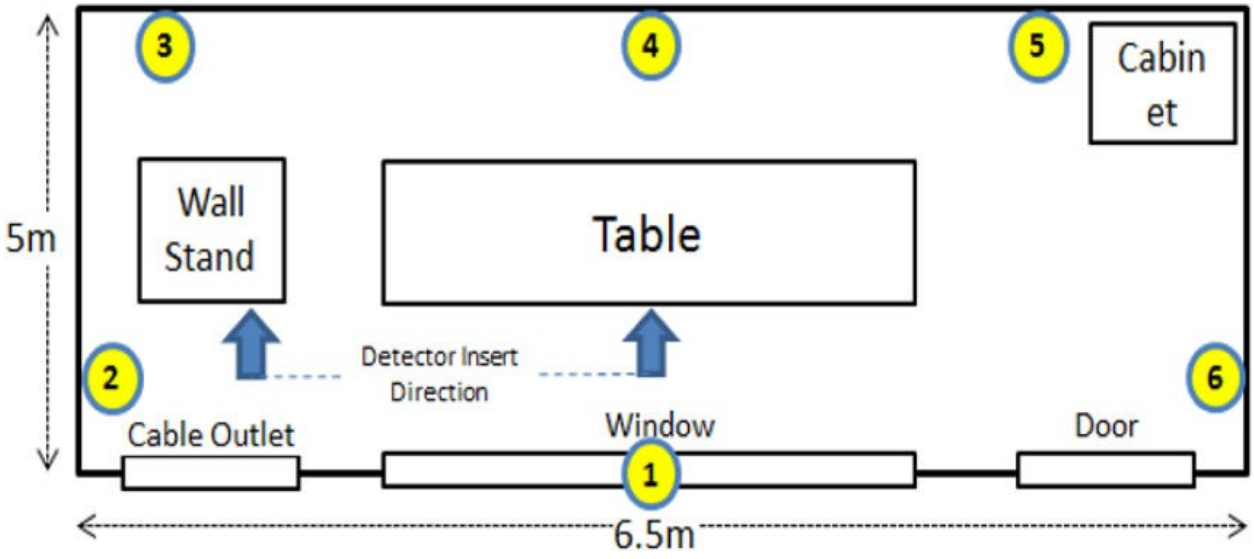
2.2.5 Wall Requirements

AP should be installed on a suitable wall can afford the ASSY.

2.2.5.1 AP Assembly

Refer to below pictures to find out the AP position. There are 6 different positions is available to AP wall-mounting.

Figure 2-25 AP Wall-mounting position



NOTE

Wall Mounted: 2.5 m Height to avoid potential blocking from human or other obstacles

The AP power cables length is listed as follows. Please figure out the AP installation location by considering the cable length.

- AP power cable (from AP power supply inside system cabinet to AP): 20 ± 0.1 m
- AP Ethernet cable (from Magic PC to AP): 25 ± 0.2 m

Use the image below as template for mounting AP Wall Mount Kit. All mounting holes have a 4 mm diameter

Figure 2-26 Dimensions of AP mounting part

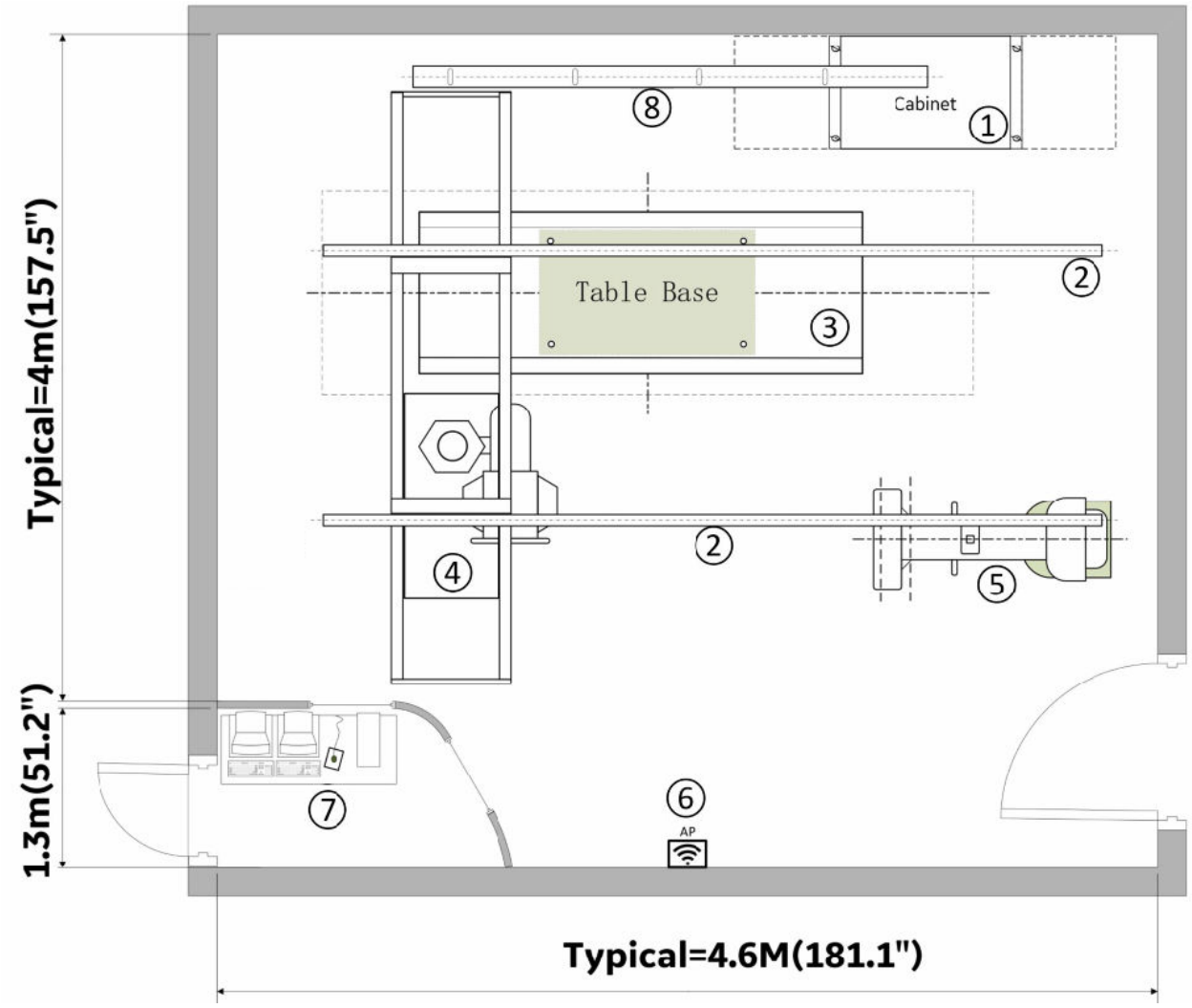
NOTE

AP is only provided for wireless system. The AP is not included for non-wireless detector configured systems.

2.2.6 Exam Room Size

In normal circumstances, the size of the exam room at least to meet the following requirements

Figure 2-27 3m Bridge typical room



NOTE
If the control room is layout out in exposure room, the typical room size should adjust basis on the control room size.

Table 2-8 Exam Room Size

No	Description
1	System Cabinet
2	Longitudinal Stationary Rails
3	Table + Detector
4	OTS & Bridge
5	Wallstand + Detector
6	Access Point
7	Magic PC & Monitors
8	Cable Rail

2.3 System Component Dimensions and Weights

2.3.1 Dimensions

Table 2-9 Product Physical Characteristics (Width / Depth / Height)

PRODUCT OR COMPONENT	DIMENSIONS			References
	Width	Depth	Height	
Operator Console: PC HP G4Z5 Monitor (Non-touch) RCIM2	 168 mm (6.6") 569 mm (22.3") 451 mm (17.8")	 445 mm (17.5") 220 mm (8.66") 135 mm (5.3")	 432 mm (17") 390 mm (15.4") 70 mm (2.8")	
2 Meter Bridge	2158 mm (84.96")	659 mm (26")	169 mm (6.66")	See Figure 2-35 OTS Suspension Focal Spot Travel Range - 2M Bridge on page 65
3 Meter Bridge	3148 mm (123.94")	659 mm (26")	169 mm (6.66")	See Figure 2-36 OTS Suspension Focal Spot Travel Range - 3M Bridge on page 66
Table Assembly	2340 mm (92.12")	854 mm (33.62")	585 - 900 mm (23.03 - 35.43")	See Figure 2-29 Table Views on page 61
Table Top Movement Dimension	680 mm ± 10 mm (26.77" ± 0.39")	280 mm ± 10 mm (11.02" ± 0.39")	NA	See Figure 2-30 Table Top Movement Dimensions on page 61
Stretchers (optional): Non-elevating Non-elevating (carbon fiber)	2159 mm (85") 2200 mm (86.6")	870 mm (34.25") 650 mm (25.5")	705 mm (27.75") 700 mm (27.5")	See 2.3.4 Stretcher Tables (Table and Table Base) on page 62 See Figure 2-31 S1700JM Carbon Fiber Stretcher Dimensions (optional) on page 62
Stationary Rail (each)	4115~5791 mm (162.01~227.99")	62.5 mm (2.46")	84.3 mm (3.32")	See Table 2-11 Longitudinal Rails on page 73

Table 2-9 Product Physical Characteristics (Width / Depth / Height) (Table continued)

PRODUCT OR COMPONENT	DIMENSIONS			References
	Width	Depth	Height	
Overhead Tube Support Includes: carriage, collimator, tube, and UIF	607 mm (23.89")	1016 mm (40")	889 mm (35")	See Figure 2-34 OTS Side view on page 64 and Figure 2-35 OTS Suspension Focal Spot Travel Range - 2M Bridge on page 65 and Figure 2-36 OTS Suspension Focal Spot Travel Range - 3M Bridge on page 66
System Cabinet	970 mm (38.2")	620 mm (24.4")	932 mm (36.7")	See Figure 2-33 System Cabinet Dimensions (Front, Top, Left) on page 63
Extended Wall Stand	686~1266 mm (27~49.8")	1668 mm (65.67")	2628 mm (103.46")	See Figure 2-37 Wall Stand Dimensions (0 and 90 degrees) on page 67 and Figure 2-38 Wall Stand Base Plate Dimensions on page 68 and Figure 2-39 Wall Stand Base Plate and its Cover Dimensions on page 69
Non-tilting Wall Stand	620 mm (24.4")	611 mm (24")	2138 mm (84.2")	See Figure 2-40 Wall Stand Dimensions on page 70 and 2.3.7 Wall Stands on page 67
Image Pasting Barrier with Footstool (option)	1110.4 mm (43.71")	656.76 mm (25.86")	2070 mm (81.5")	See Figure 2-41 Image Pasting Barrier Dimensions (Optional) on page 70
AP Assembly	140 mm (5.5")	140 mm (5.5")	20 mm (0.8")	See Figure 2-26 Dimensions of AP mounting part on page 56
FlashPad Select Wireless Digital Flat Panel Detector	460 mm (18.1")	460 mm (18.1")	15 mm (0.6")	See 2.3.2 Detector on page 60
UPS (option)	160 mm (6.3")	357 mm (14.1")	252 mm (9.9")	See Figure 2-42 UPS Dimensions (Optional) on page 71

2.3.2 Detector

Figure 2-28 FlashPad Select Detector Overview

Dimensions: L 460 mm, H 460 mm, T 15.2 mm

- Battery operated. Includes two rechargeable and exchangeable batteries.
- Desktop battery pack charger.
- FlashPad Select 1717X detector power adaptor is offered for detector firmware download.
- Network cable should be Type-C cable.

2.3.3 Table (Table and Table Base)

Figure 2-29 Table Views

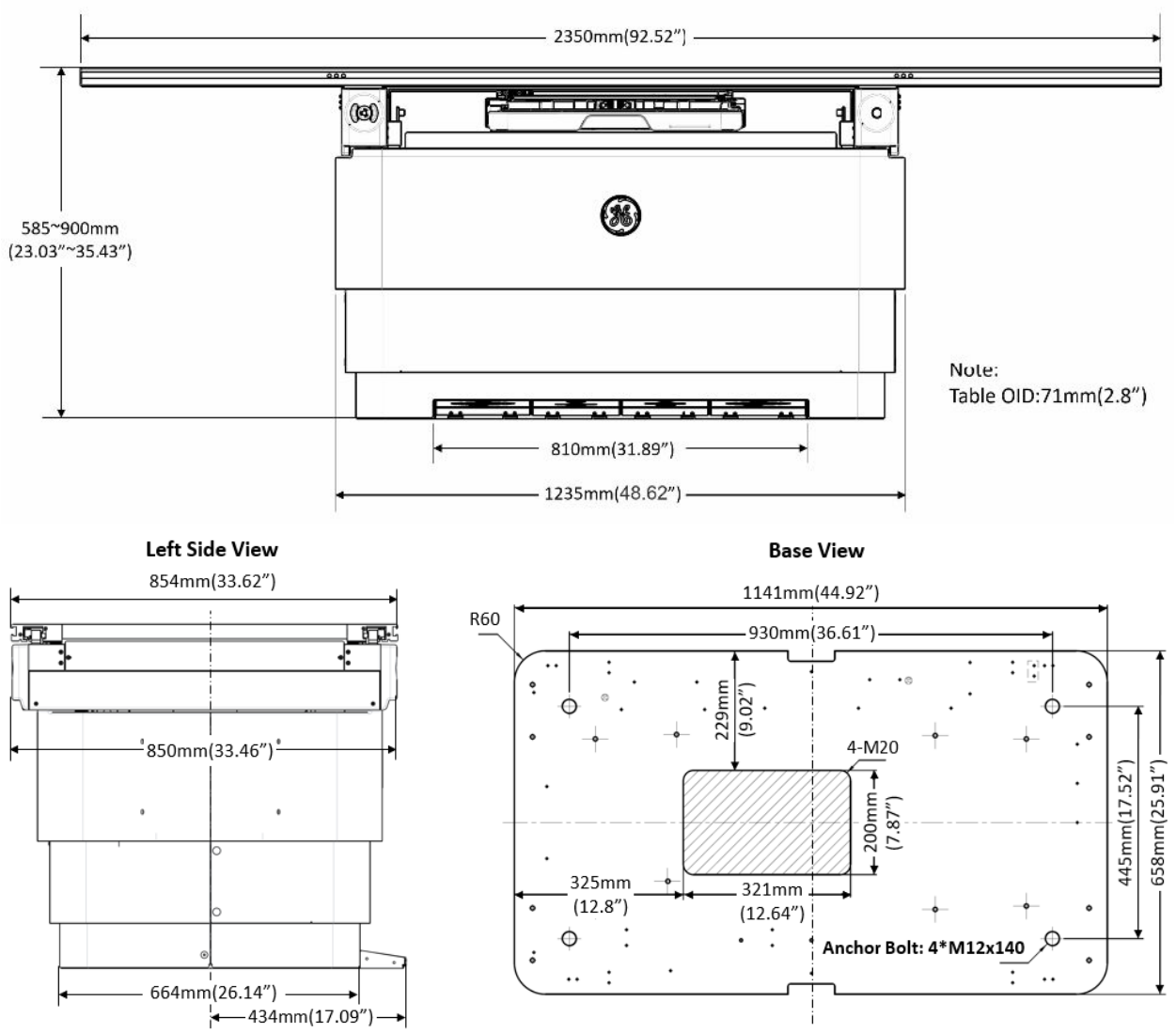
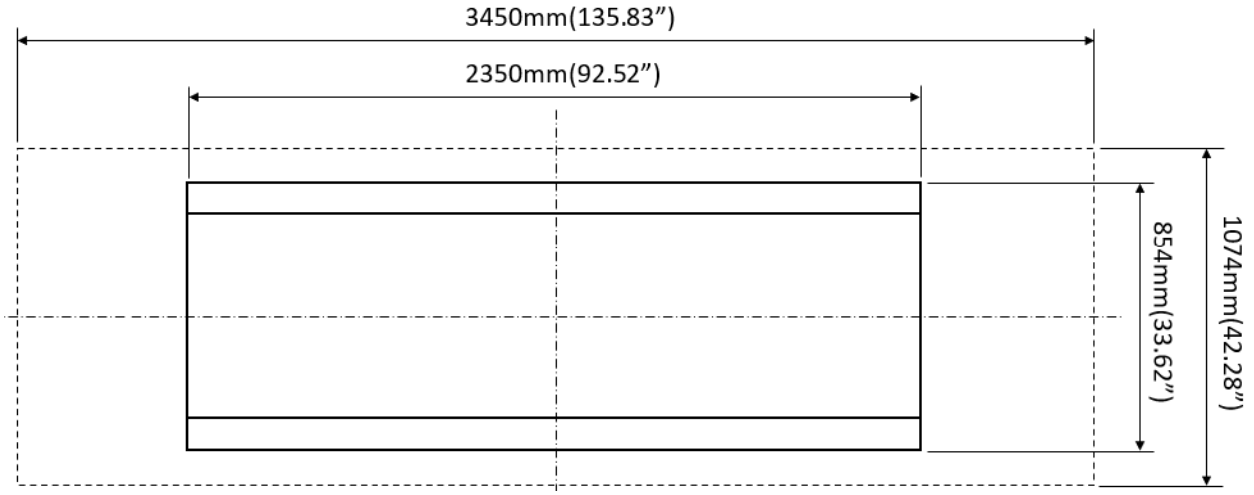


Figure 2-30 Table Top Movement Dimensions



2.3.4 Stretcher Tables (Table and Table Base)

Figure 2-31 S1700JM Carbon Fiber Stretcher Dimensions (optional)

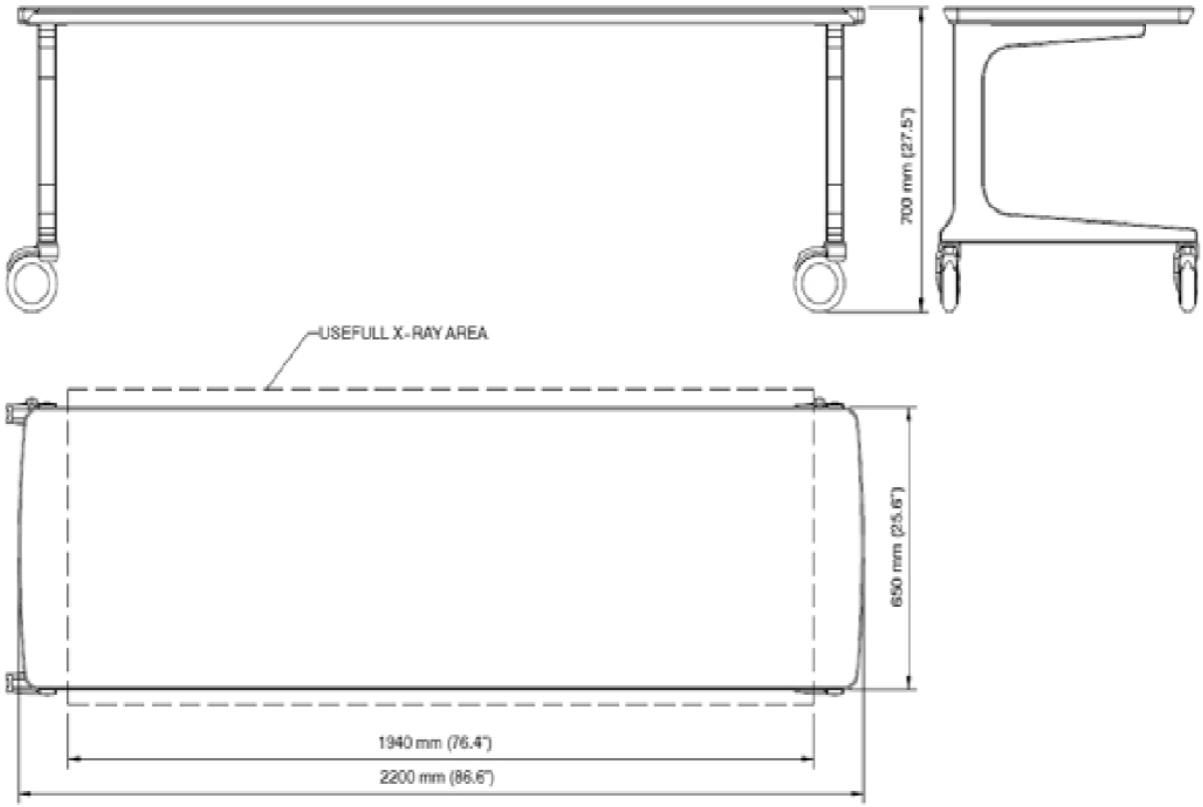
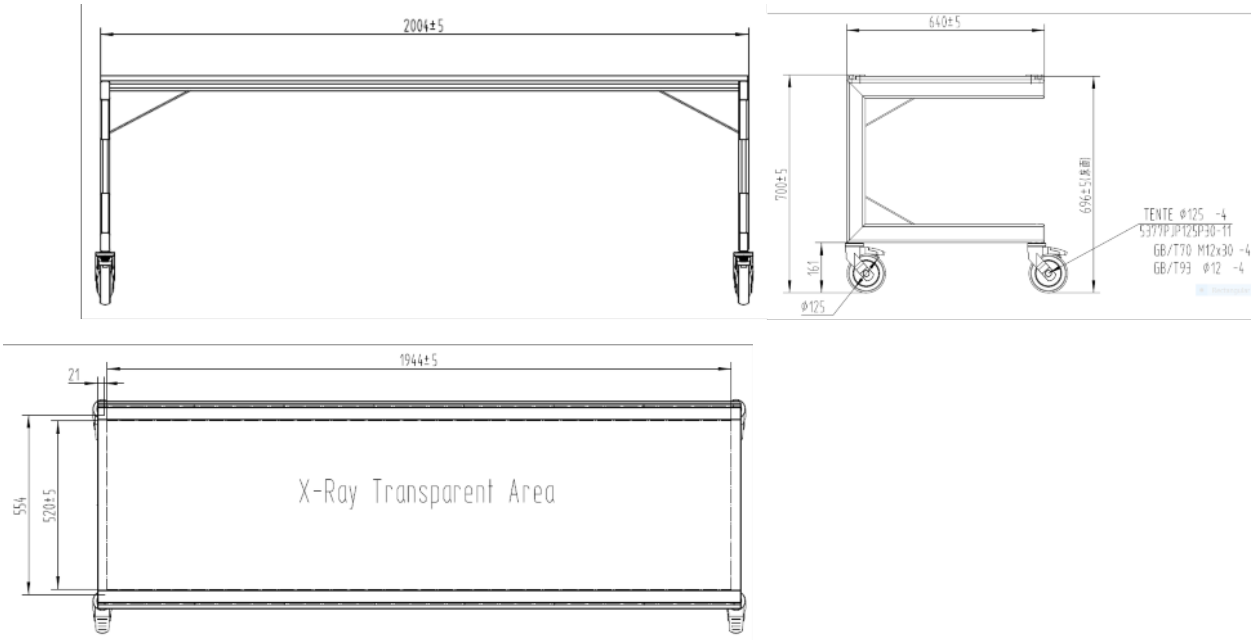
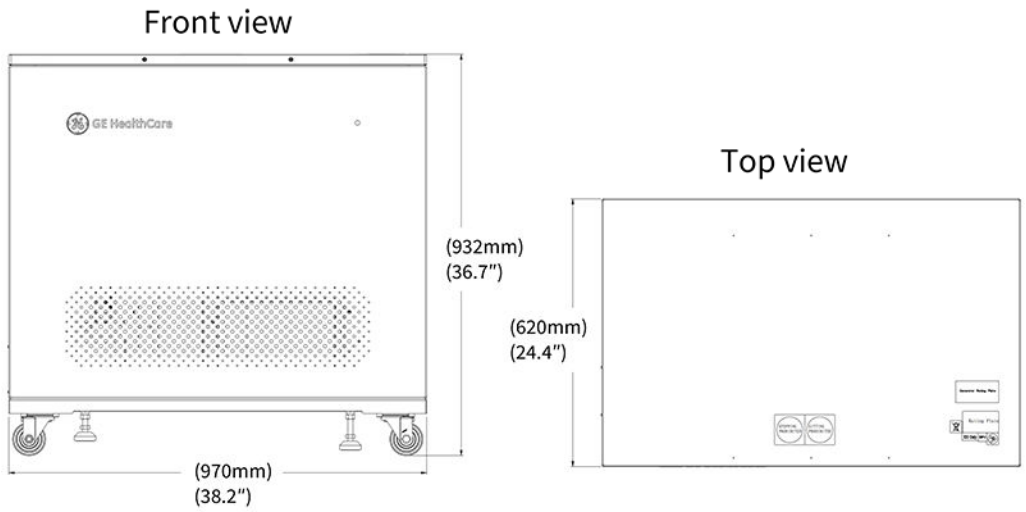


Figure 2-32 S2202ATBL Stretcher Table GST-2 Dimensions (Optional)



2.3.5 System Cabinet

Figure 2-33 System Cabinet Dimensions (Front, Top, Left)



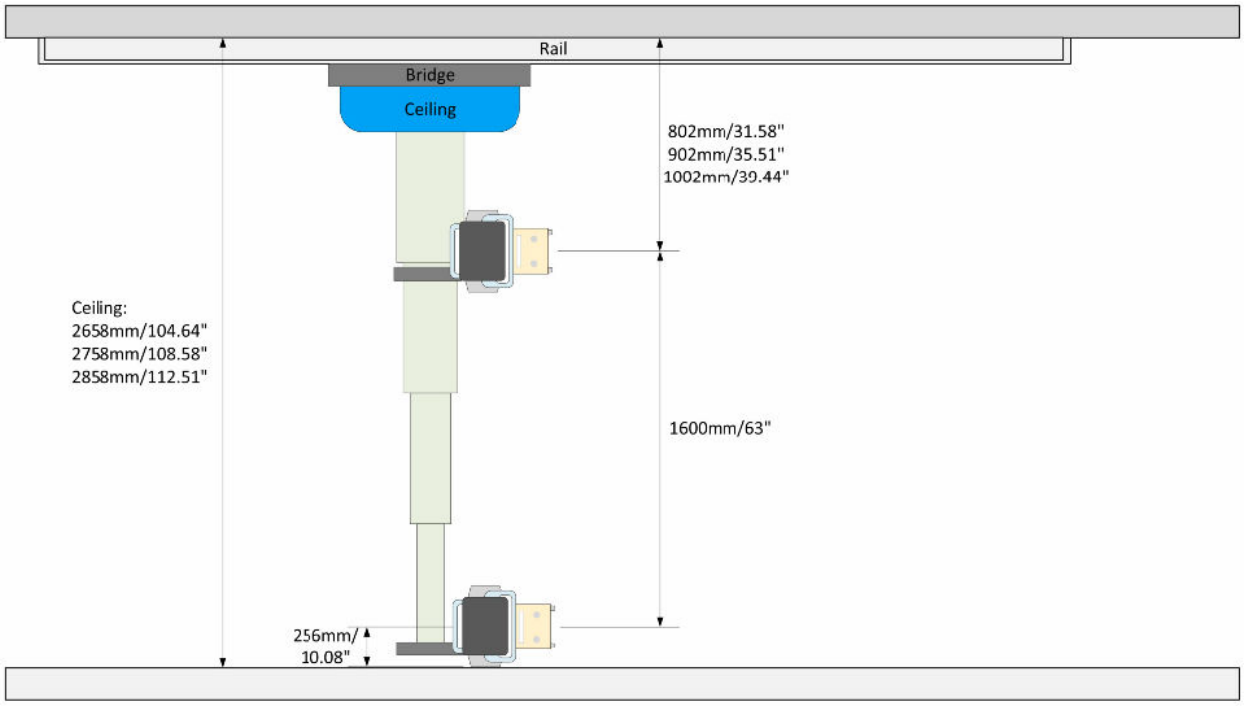
2.3.6 Over-Head Tube Support (OTS)

The OTS comprises a system for suspending and supporting an X-ray tube unit and collimator. It employs a spring counterpoise mechanism to balance these loads. The OTS's main components are the stationary rails, the bridge and the support column.

The OTS has 3 adapter for tube installation, it is related to the minimum distance from focal spot to ceiling(rail installation surface). Below calculation use 902 mm (35.51") for example, it also can be 802 mm (31.58") or 1002 mm (39.45").

- When Lowest point of OTS could touch floor, Height = 902 + 1600 + 256 = 2758 mm (108.58")
- When OTS center is parallel to WS center at lowest position of OTS, OTS travel range=1600 mm (63"), Height = 902 + 1600 + 285 = 2787 mm (109.72")
- When OTS center is parallel to Wall Stand center at highest position of Wall Stand, keep Wall Stand travel range=1500 mm (59.05"), Height = 902 + 1500 + 285 = 2687 mm (105.79")

Figure 2-34 OTS Side view



NOTE

The dimension from surface of ceiling to bottom surface of rail is 84.3 mm (3.3 in).

Figure 2-35 OTS Suspension Focal Spot Travel Range - 2M Bridge

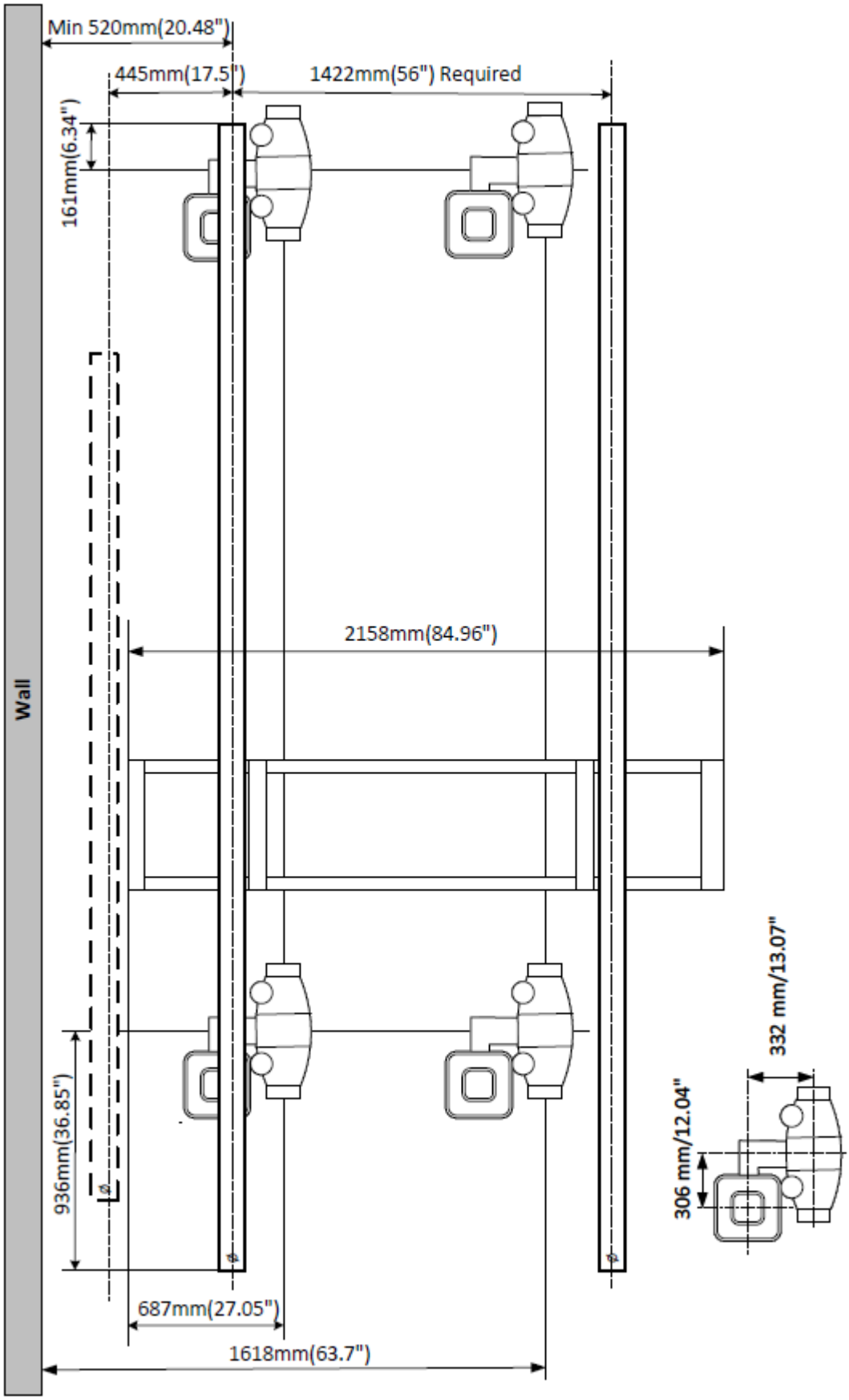
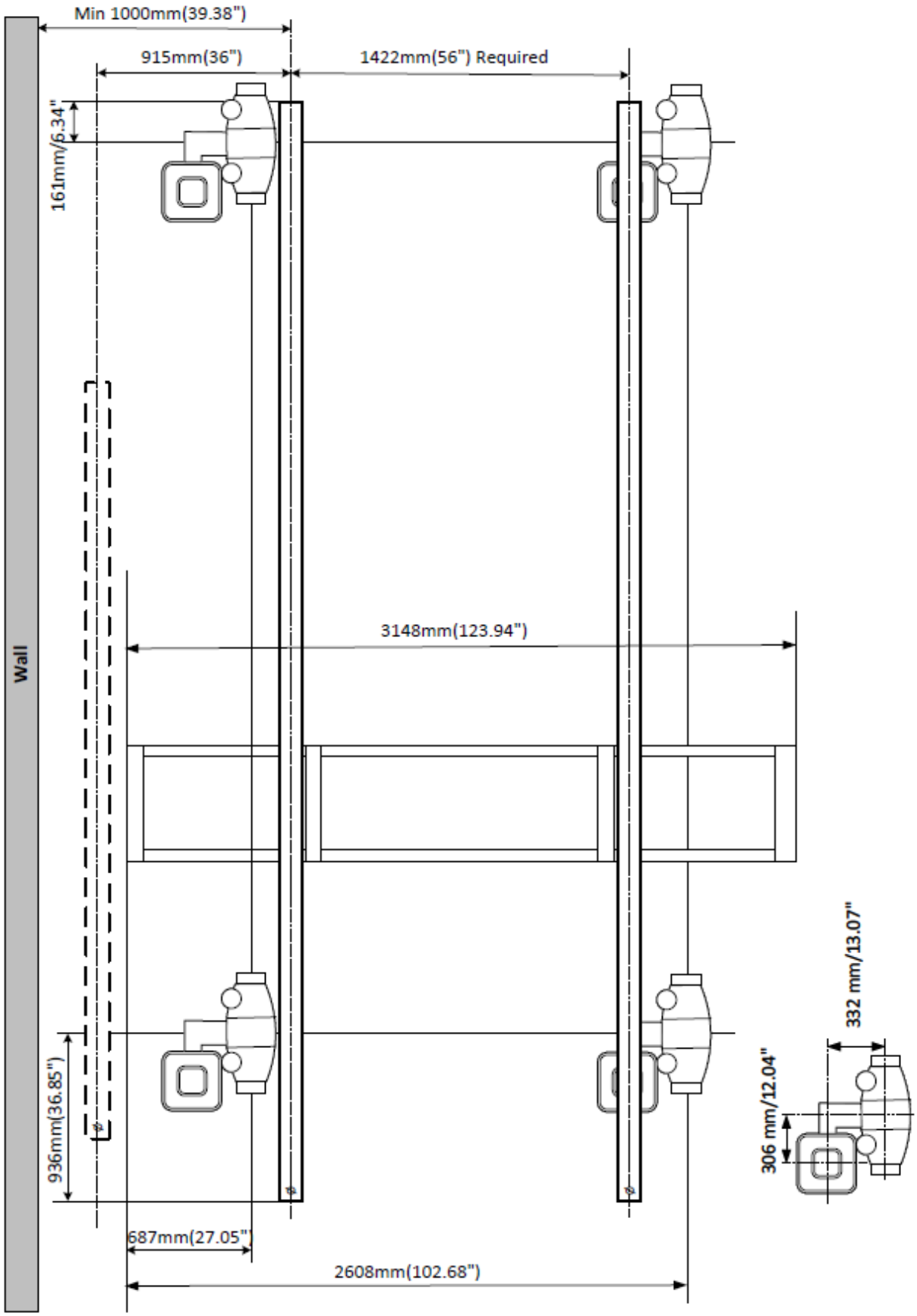


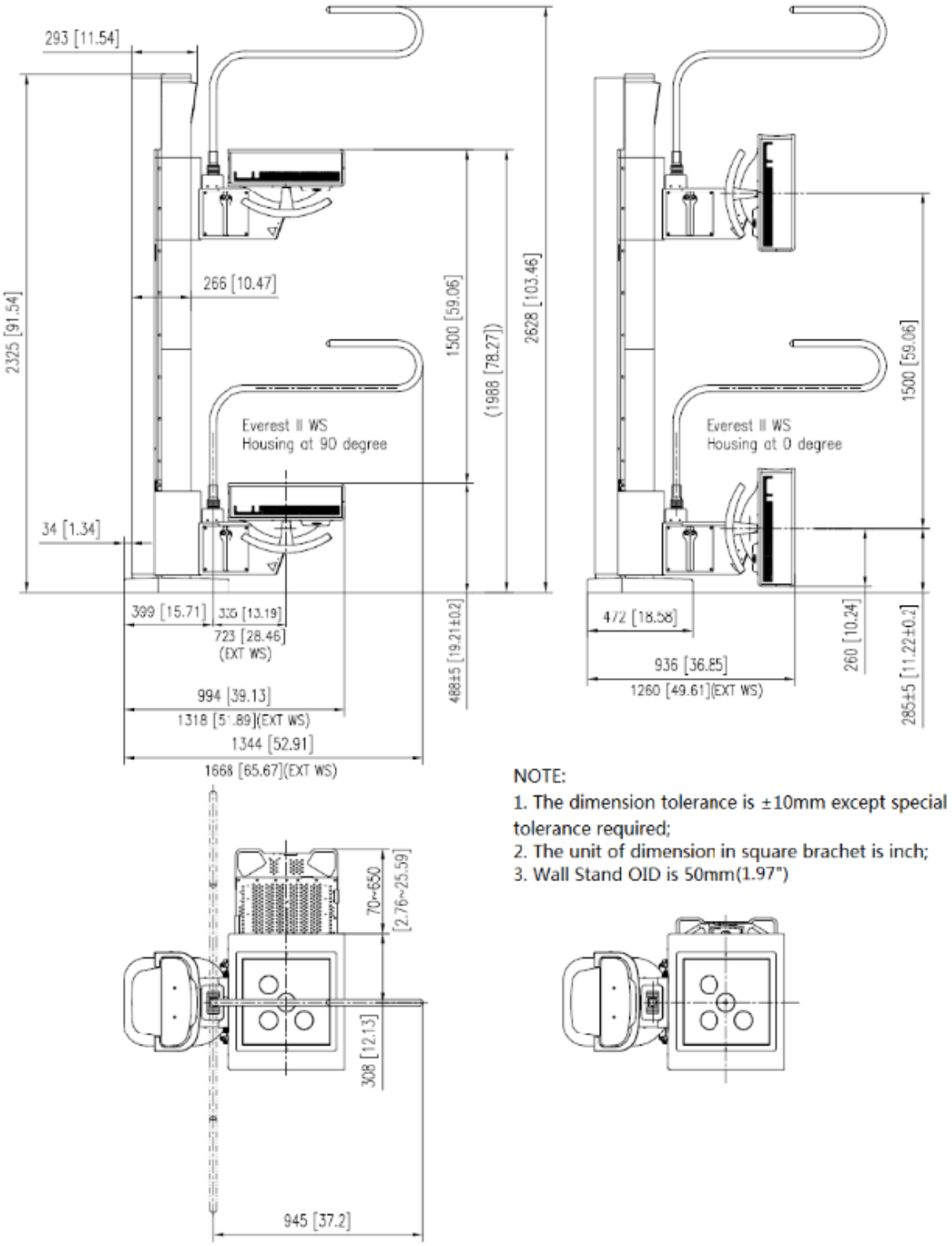
Figure 2-36 OTS Suspension Focal Spot Travel Range - 3M Bridge



2.3.7 Wall Stands

Extended WS

Figure 2-37 Wall Stand Dimensions (0 and 90 degrees)



NOTE:

1. The dimension tolerance is ±10mm except special tolerance required;
2. The unit of dimension in square brachet is inch;
3. Wall Stand OID is 50mm(1.97")

Figure 2-38 Wall Stand Base Plate Dimensions

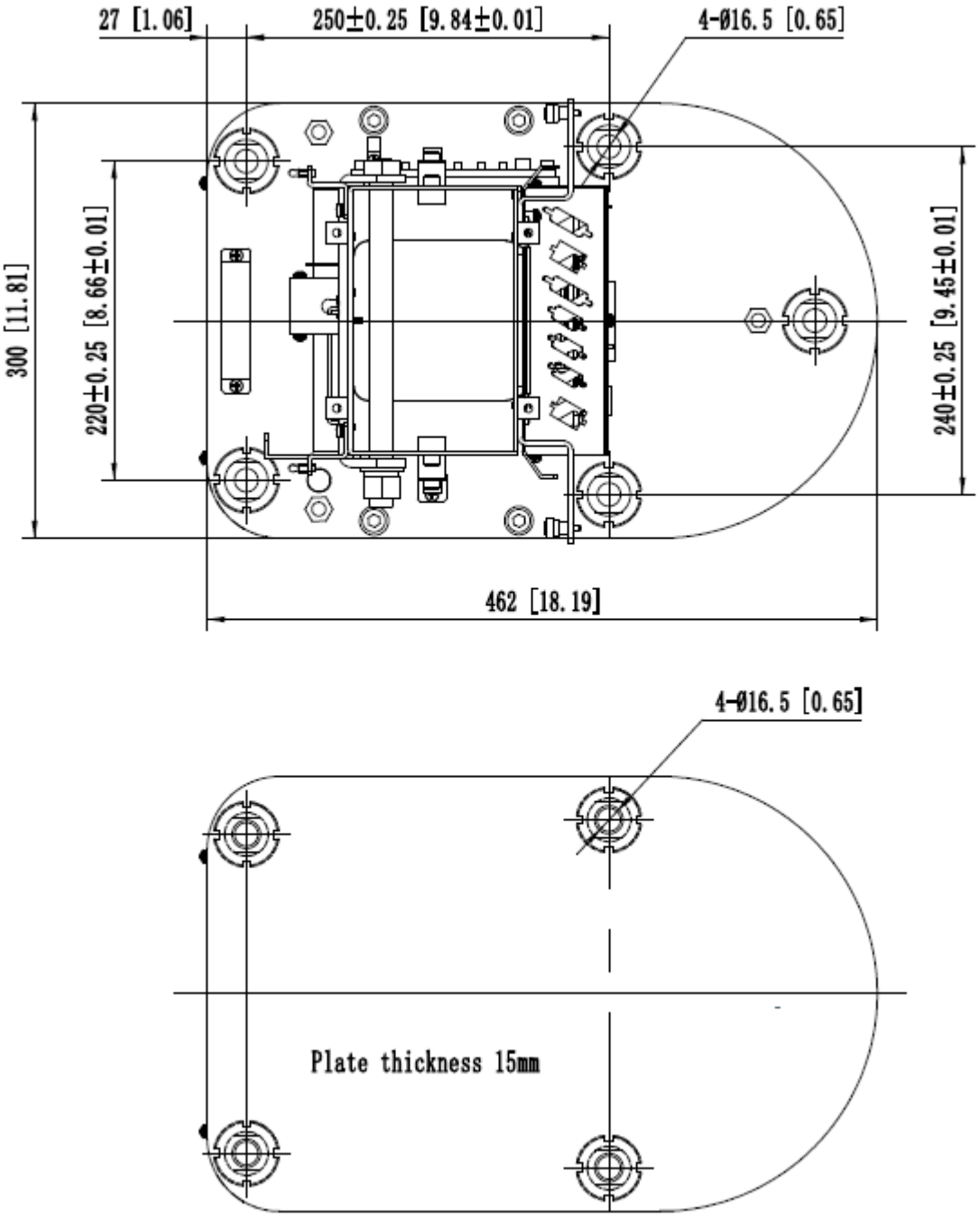
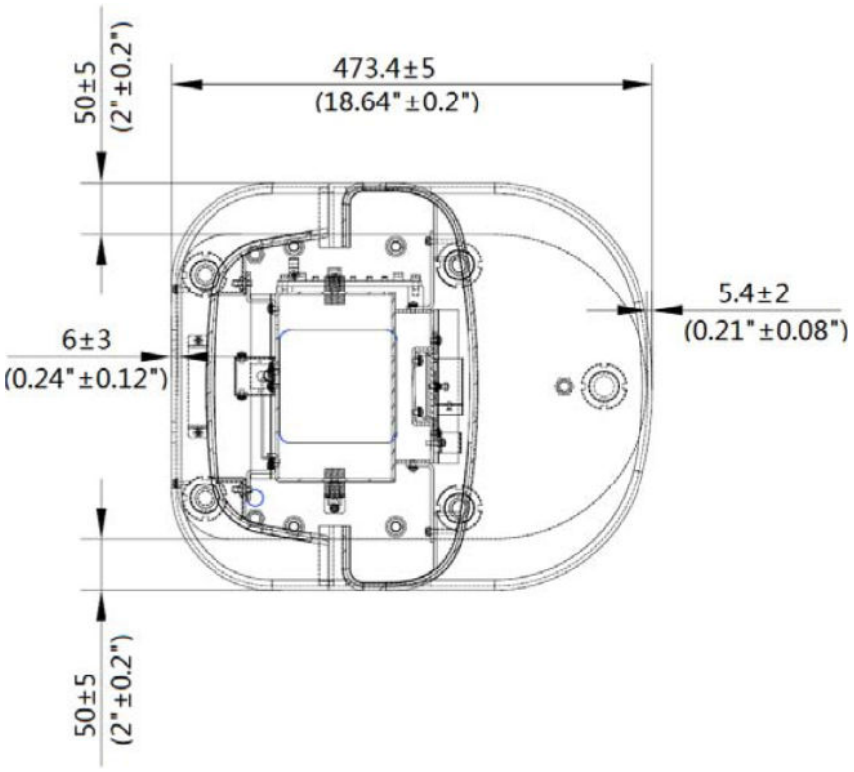
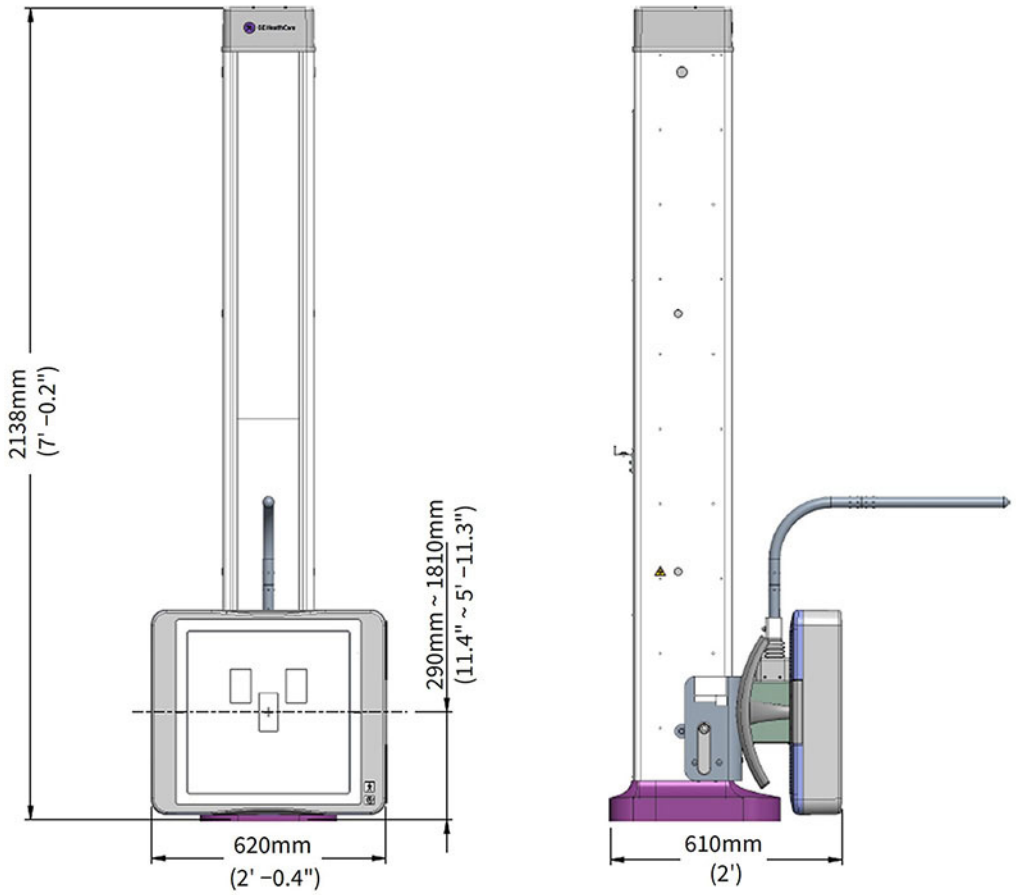


Figure 2-39 Wall Stand Base Plate and its Cover Dimensions



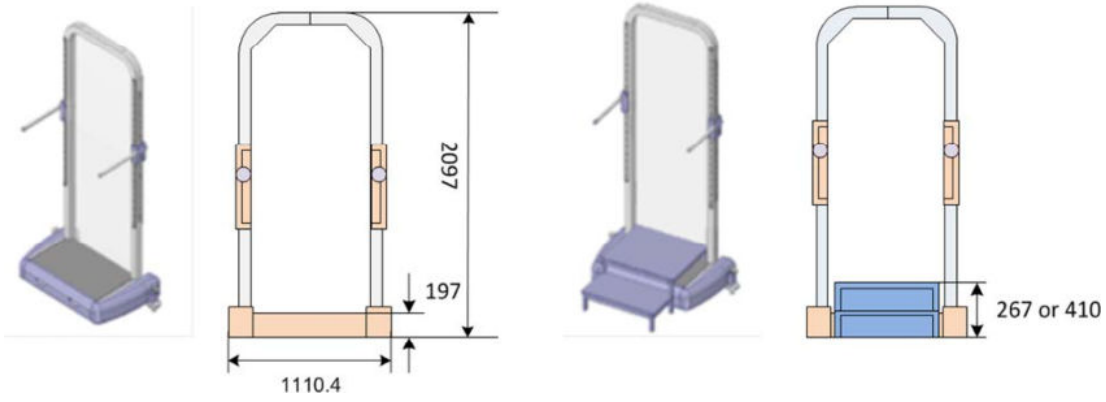
Non-tilting WS

Figure 2-40 Wall Stand Dimensions



2.3.8 Image Pasting Barrier

Figure 2-41 Image Pasting Barrier Dimensions (Optional)



2.3.9 UPS

Figure 2-42 UPS Dimensions (Optional)

NOTICE

If the UPS grounding impedance exceeds 0.2 Ohm, UPS will alarm with Site Wiring Fault and this could be disabled through UPS "User Settings", but not recommended.

2.3.10 Weights, Floor/Ceiling Loading and Recommended Mounting Methods

Table 2-10 Product Physical Characteristics (weight)

PRODUCT OR COMPONENT	WEIGHT	LOAD BEARING AREA ft^2 (m^2)	WEIGHT/OCCUPIED AREA kg/m^2(lb./ft^2)	RECOMMENDED MOUNTING INFORMATION
Operator Console: PC HP G4Z5 Monitor (Non-touch) RCIM2	 12.6 kg (27.8 lbs) 8 kg (17.6 lbs) 0.91 kg (2 lbs)		NA NA	Shelf or table mounted but not anchored.
Table Assembly	385 kg (849 lbs.)	0.68 m^2 (7.32 ft^2)	566.2 kg/m^2 (116 1lbs/$ft.^2$)	Floor mounting Recommendation: 4 pcs M12x140mm anchors (5890428, supplied)
Table Assembly with a maximum patient weight of 320kg (705lbs)	710 kg (1565.3 lbs)	0.68 m^2 (7.32 ft^2)	1044.1 kg/m^2 (213.8 lbs/$ft.^2$)	NA
Stretchers (optional): Non-elevating Non-elevating (carbon fiber)	102 kg (225 lbs) 32 kg (70.5 lbs)		25.5 (56.25) point contact 8 (17.63) point contact	Not anchored Not anchored

Table 2-10 Product Physical Characteristics (weight) (Table continued)

PRODUCT OR COMPONENT	WEIGHT	LOAD BEARING AREA ft^2 (m^2)	WEIGHT/OCCUPIED AREA kg/m^2($lb./ft^2$)	RECOMMENDED MOUNTING INFORMATION
Extended Wall Stand	292 kg (642 lbs)	0.129 m^2	2264 kg/m^2	Bossard 4*M12x140 anchors to floor (supplied)
Non-tilting Wall Stand	244 kg (537.9 lbs)	0.129 m^2	1891 kg/m^2	Bossard 4*M12x140 anchors to floor (supplied)
Stationary Rail (5.79 m)	62.6 kg (138 lbs) pair		NA	Bossard 20*M12x50 Bolts to ceiling
2 Meter Bridge (include Anti-backlash)	52 kg (114.6 lbs)		NA	
3 Meter Bridge (include Anti-backlash)	67.1 kg (148 lbs)		NA	
2 Meter Cable Drape Assembly	654kg (119 lbs)		NA	
3 Meter Cable Drape Assembly	54 kg 119 lbs)		NA	
Cable chain lateral bracket	17 kg (37.5 lbs)			
Cable Drape longitudinal Support	29.5 kg (65 lbs)		NA	
Cable Drape track	3.3 kg (7.28 lbs)			
Overhead Tube Support (includes X-ray Tube), Collimator, Console	237 kg (522.5 lbs)		NA	
OTS ceiling Covers	9.5 kg (21 lbs)		NA	
Collimator	9 kg (19.8 lbs)		NA	
UIF	3.5 kg (7.7 lbs)		NA	
Longitudinal Drive	15 kg (33.1 lbs)		NA	
2 Meter and 3 Meter Longitudinal Drive Belt Kit	17.5 kg (38.6 lbs)		NA	
Anti-backlash Kits	2 kg (4.4 lbs)		NA	
System Cabinet	206 kg (454.2 lbs)	0.5 m^2 (5.38 ft^2)	412 kg/m^2 (84.4 lbs/ft^2)	
Image Pasting Barrier with Footstool (option)	54.44 kg (120 lbs)		NA	Floor mounted but not anchored. Located near Wall Stand base.
AP Assembly	0.6 kg (1.3 lbs)	NA	NA	wall mount
FlashPad HD Detector With Battery 17X17 in	4.0 kg (8.82 lbs)	NA	NA	

Table 2-10 Product Physical Characteristics (weight) (Table continued)

PRODUCT OR COMPONENT	WEIGHT	LOAD BEARING AREA ft^2 (m^2)	WEIGHT/OCCUPIED AREA kg/m^2($lb./ft^2$)	RECOMMENDED MOUNTING IN-FORMATION
Detector Battery	0.18 kg (0.40 lbs)	NA		
UPS	11.5 kg (25.4 lbs)	0.08774 m^2 (0.944 ft^2)	393.21 kg/m^2 (80.57 $lb./ft^2$)	

2.3.11 Longitudinal Rails

Kit B0002LD contains the bumpers and the longitudinal belt.

Table 2-11 Longitudinal Rails

Item	Rail Length	Cat Number	Longitudinal focal spot travel
1	3505 mm/138 in	B0138JA	2390 mm/94.1 in
2	4115 mm/162 in	B0162JA	3000 mm/118.1 in
3	4220 mm/174 in	B0174JA	3105 mm/122.2 in
4	4720 mm/186 in	B0186JA	3605 mm/141.9 in
5	5030 mm/198 in	B0198JA	3915 mm/154.1 in
6	5330 mm/210 in	B0210JA	4215 mm/165.9 in
7	5640 mm/222 in	B0222JA	4525 mm/178.1 in
8	5790 mm/228 in	B0228JA	4675 mm/184.1 in

2.4 Room Layout

2.4.1 Required Service Access Clearance

Allow appropriate space for service access of equipment. Illustrations are shown below indicating the required access space for servicing the equipment.

NOTE
The right side space for service can be moved to the left side also.

Figure 2-43 System Cabinet

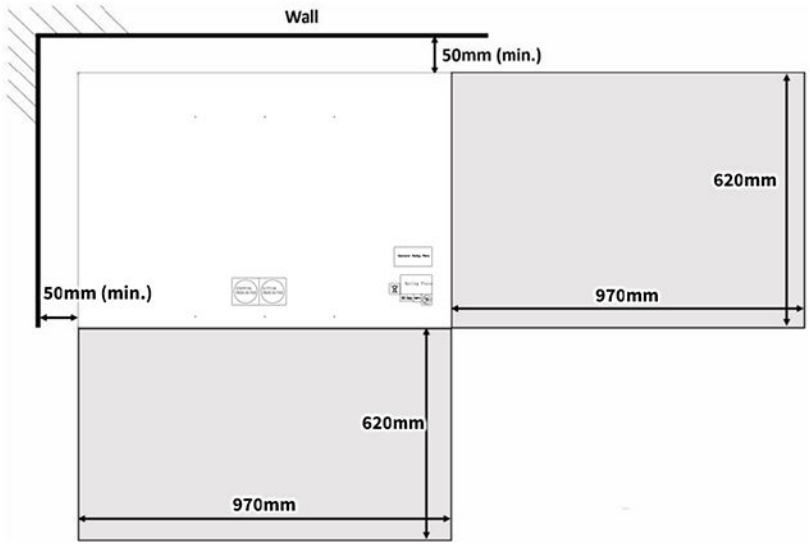
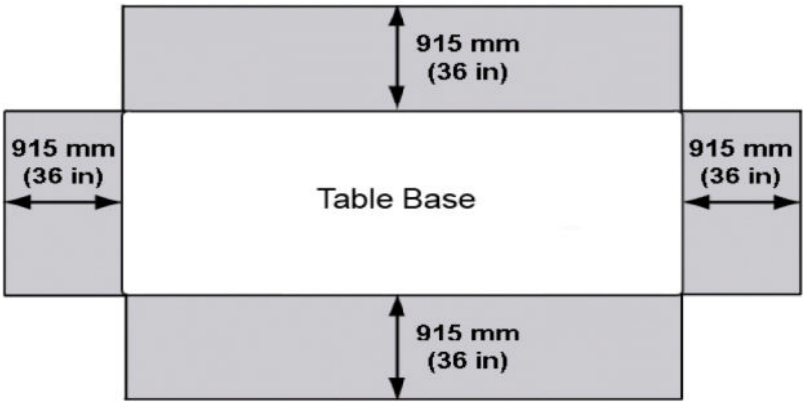


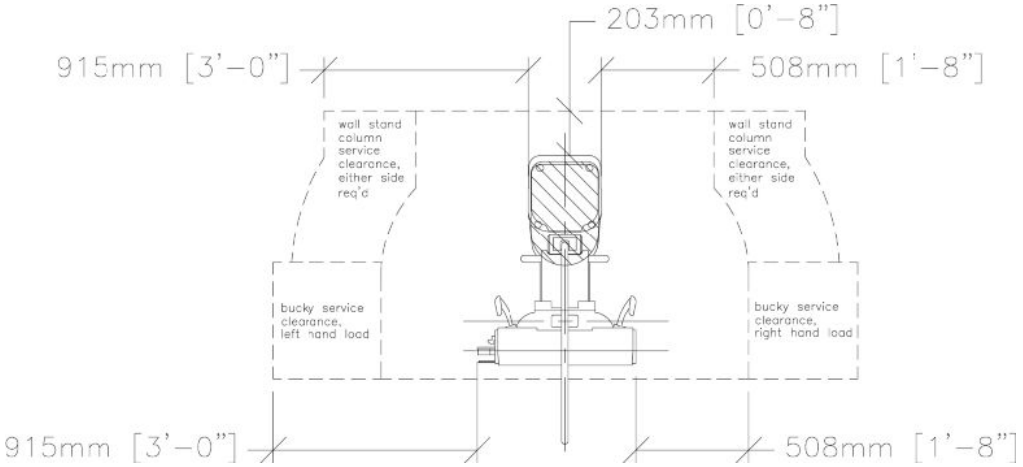
Figure 2-44 Table



Recommended Required Service Access Clearance is 36 in.

Minimum Required Service Access Clearance is 24 in

Figure 2-45 Wall Stand



2.4.2 Clinical Access

Make sure that you plan the room with the following clinical access requirements:

- Provide easy access to the patient table. Stretchers and other mobile hospital equipment must reach the table quickly.
- Table cannot be installed at 90 degrees to the ceiling stationary rails.
- When installing an extended-arm Wall Stand, the Wall Stand should be positioned directly in the center of the 3-meter bridge if full tube aligning capabilities are to be achieved.
- The Wall Stand can be configured to allow grid insertion direction from either the left or the right. Workflow and room dimensions should be considered.

2.4.3 Configurations and Option

In the table below, room configurations supported for the system are selected.

Table 2-12 Definium Tempo Select System Configuration

System Configuration	Wall Stand Type	Bridge Length, Wall Stand Position							
		2M Bridge				3M Bridge			
		Front	Back	Head	Foot	Front	Back	Head	Foot
Table + Wall Stand	Extend			✓	✓			✓	✓
Table + Wall Stand	Non-Tilting	✓	✓	✓	✓	✓	✓	✓	✓
Wall Stand Only	All			✓	✓			✓	✓
Table Only	NA	✓				✓			
OTS Only	NA	✓				✓			

Drawings for these room configurations are shown in the following pages. They include dimensional requirements between components and show Image Pasting applications (purchasable options) can be used in a room that meets those dimensional requirements.

Figure 2-46 Table and Extended Wall Stand at Foot with 3M Bridge

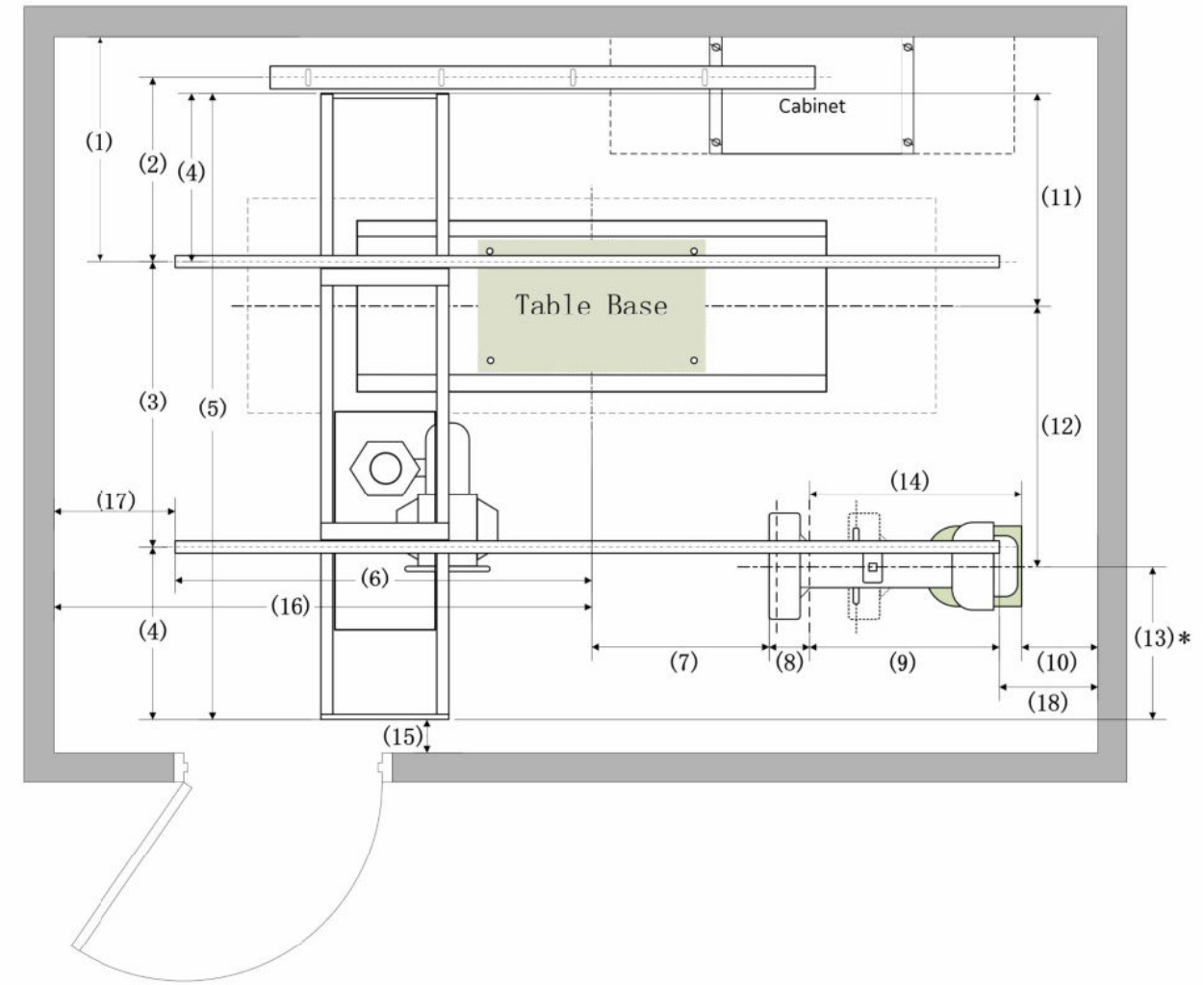


Table 2-13 Table and Extended Wall Stand at Foot with 3M Bridge

Item	Config	Limit Diension			Description
		Type	mm	in	
1	Cable drape	Min.	1000	39.37	Rear stationary rail center line to room wall
	Cable chain	Min.	1000	39.37	Rear stationary rail center to Wall without space for cable routing behind bracket
		Min.	1080	42.52	Rear stationary rail center to Wall with space for cable routing behind bracket
		Rec.	1245	49.02	
2	Cable drape	Min.	889	35.0	Longitude cable drape bracket 'UNISTRUT Structure' center line to rear stationary rail center line
	Cable chain	Range	870~960	34.25~37.8	Longitude cable chain bracket 'UNISTRUT Structure' center line to rear stationary rail center line can be accepted between 870~960, but cable chain bracket center to rear stationary center should be 915 fixed after installation.
		Rec.	915	36.0	
3	All	Fix	1422	56.0	Distance between stationary rails center.
4	All	Fix	863	34.0	Each stationary rail center to bridge front(or back) end surface

Table 2-13 Table and Extended Wall Stand at Foot with 3M Bridge (Table continued)

5	All	Fix	3148	123.94	Length of 3m bridge.
6	All	Min.	1344	52.91	Table center line to head side rail end [Min. = (Min. of Tube center to rail foot end) 944/161 + (half of housing travel range) 370/2 + (half of detector width) 430/2 = 1344/561]. **The tabletop floating travel range could exceeding the rail end, but should confirm the tabletop won't conflict to wall, refer Item (16).**
		Rec.	1720	67.72	
7	Without Stretcher	Min.	2844 - (6)	111.97 - (6)	This value depends on Item(6), Wall Stand patient panel to table center line. [Min.= (SID) 1800 + (Min. of Tube center to rail head end) 944 - Item (6) + Margin: 100 = 2844 - Item (6)].
	With Stretcher	Min.	1370	53.94	Wall Stand patient panel to table center line. [Min.= (Tabletop right range to table base center) 620 + (Strectcher table width X): 640/650 **Default**/726 + Margin: 100].
8	All	Fix	202	7.95	Wall Stand patient panel to tilting center line
9	Ext. Wall Stand	Min.	909	35.79	Wall Stand tilting center line to rail foot end
10	All	Min.	102	4.0	Wall Stand back end to foot side wall, space for service.
11	All	Min.	754	29.69	Table center line to bridge rear end surface, but cabinet out of tabletop travel range
			2100-(1)	82.68-(1)	Table center line to bridge rear end surface, cabinet in the rear of tabletop travel range. (This value should also bigger than 754.)
		Rec.	1143	45.00	Recommend cabinet on the rear of tabletop.
12	All	Min.	1143	45.0	Table center line to Wall Stand center line.[Min.=(focal spot to rear cover) 560+(tabletop width/2) 427+cable 106+margin 50]
		Rec.	1320	51.97	Larger than Rec. value can support good auto position feature.
13*	Ext. Wall Stand	Min.	656	25.83	Wall Stand center to the bridge front surface. **It should equal to (5)-(11)-(12)**. This is a reference dimension need to check after item(11) and (12) define.
14	Ext. Wall Stand	Fix	1058	41.65	Wall Stand tilting center line to Wall Stand back end
15	All	Min.	60	2.36	Bridge front end surface to Wall
		Rec.	480	18.90	
16	All	Min.	1800	70.87	Table center line to head side Wall. [Min.= (tabletop floating half) 1720 + Margin: 80 = 1800]
17	All	Min.	60	2.36	Bridge end surface to wall, space for installation.
18	All	Min.	140	5.51	Bridge end surface to wall, tueb cover won't conflict to wall.

Figure 2-47 Table and Extended Wall Stand at Head with 3M Bridge

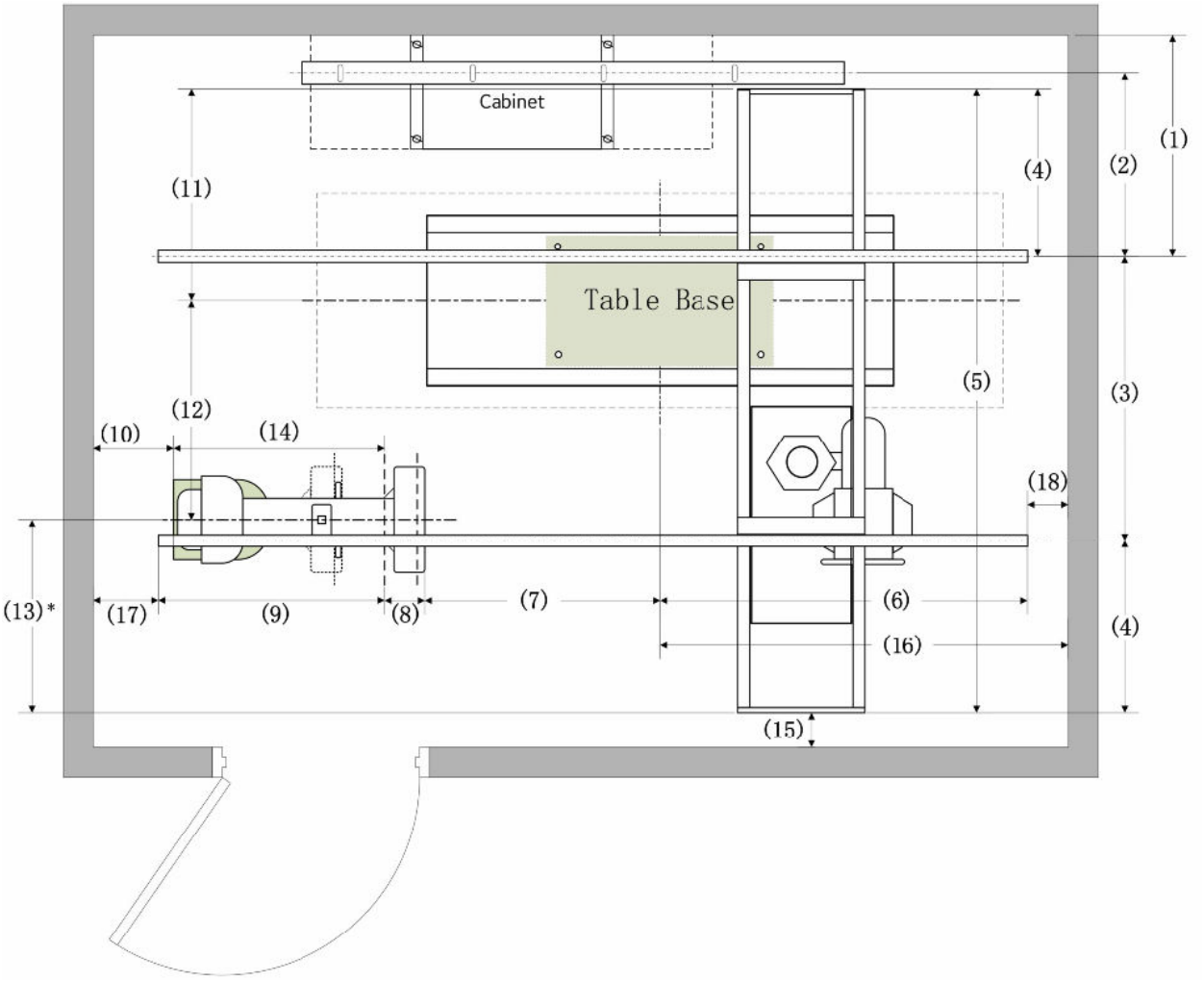


Table 2-14 Table and Extended Wall Stand at Head with 3M Bridge

Item	Config	Limit Diension			Description
		Type	mm	in	
1	Cable drape	Min.	1000	39.37	Rear stationary rail center line to room wall
	Cable chain	Min.	1000	39.37	Rear stationary rail center to Wall without space for cable routing behind bracket
		Min.	1080	42.52	Rear stationary rail center to Wall with space for cable routing behind bracket
		Rec.	1245	49.02	
2	Cable drape	Min.	889	35.0	Longitude cable drape bracket 'UNISTRUT Structure' center line to rear stationary rail center line
	Cable chain	Range	870~960	34.25~37.8	Longitude cable chain bracket 'UNISTRUT Structure' center line to rear stationary rail center line can be accepted between 870~960, but cable chain bracket center to rear stationary center should be 915 fixed after installation.
		Rec.	915	36.0	
3	All	Fix	1422	56.0	Distance between stationary rails center.
4	All	Fix	863	34.0	Each stationary rail center to bridge front(or back) end surface

Table 2-14 Table and Extended Wall Stand at Head with 3M Bridge (Table continued)

5	All	Fix	3148	123.94	Length of 3m bridge.
6	All	Min.	561	22.09	Table center line to head side rail end [Min. = (Min. of Tube center to rail foot end) 161 + (half of housing travel range) 370/2 + (half of detector width) 430/2 = 561] The tabletop floating travel range could exceeding the rail end, but should confirm the tabletop won't conflict to wall, refer Item (16).
		Rec.	1720	67.72	
7	Without Stretcher	Min.	2061-(6)	81.14 - (6)	This value depends on Item(6), Wall Stand patient panel to table center line. [Min.= (SID) 1800 + (Min. of Tube center to rail foot end) 161 - Item (6) + Margin: 100 = 2061 - Item (6)].
	With Stretcher	Min.	1370	53.94	Wall Stand patient panel to table center line. [Min.=(Tabletop right range to table base center) 620 + (Strectcher table width X): 640/650 Default/726 + Margin: 100].
8	All	Fix	202	7.95	Wall Stand patient panel to tilting center line
9	Ext. Wall Stand	Min.	1070	42.13	Wall Stand tilting center line to rail head end
10	All	Min.	102	4.0	Wall Stand back end to head side wall, space for service.
11	All	Min.	754	29.69	Table center line to bridge rear end surface, but cabinet out of tabletop travel range
			2100-(1)	82.68-(1)	Table center line to bridge rear end surface, cabinet in the rear of tabletop travel range. (**This value should also bigger than 754.**)
		Rec.	1143	45.00	Recommend cabinet on the rear of table (**Extend Wall Stand can't reach this dimension**).
12	All	Min.	1143	45.0	Table center line to Wall Stand center line.[Min.=(focal spot to rear cover) 560+(tabletop width/2) 427+ Cable 106 + Margin: 50].
		Rec.	1320	51.97	Larger than Rec. value could support good auto position feature. (Extend Wall Stand can't reach this dimension).
13	Ext. Wall Stand	Min.	1168	45.98	Wall Stand center to the bridge front surface. It should equal to (5)-(11)-(12). This is a reference dimension need to check after item(11) and (12) define.
14	Ext. Wall Stand	Fix	1058	41.65	Wall Stand tilting center line to Wall Stand back end
15	All	Min.	60	2.36	Bridge front end surface to Wall
		Rec.	480	18.90	
16	All	Min.	1800	70.87	Table center line to head side Wall. [Min.= (tabletop floating half) 1720 + Margin: 80 = 1800]
17	All	Min.	60	2.36	Bridge end surface to wall, space for installation.
18	All	Min.	140	5.51	Bridge end surface to wall, tueb cover won't conflict to wall.

Figure 2-48 Table and Non-tilting Wall Stand at head/foot side with 3m bridge

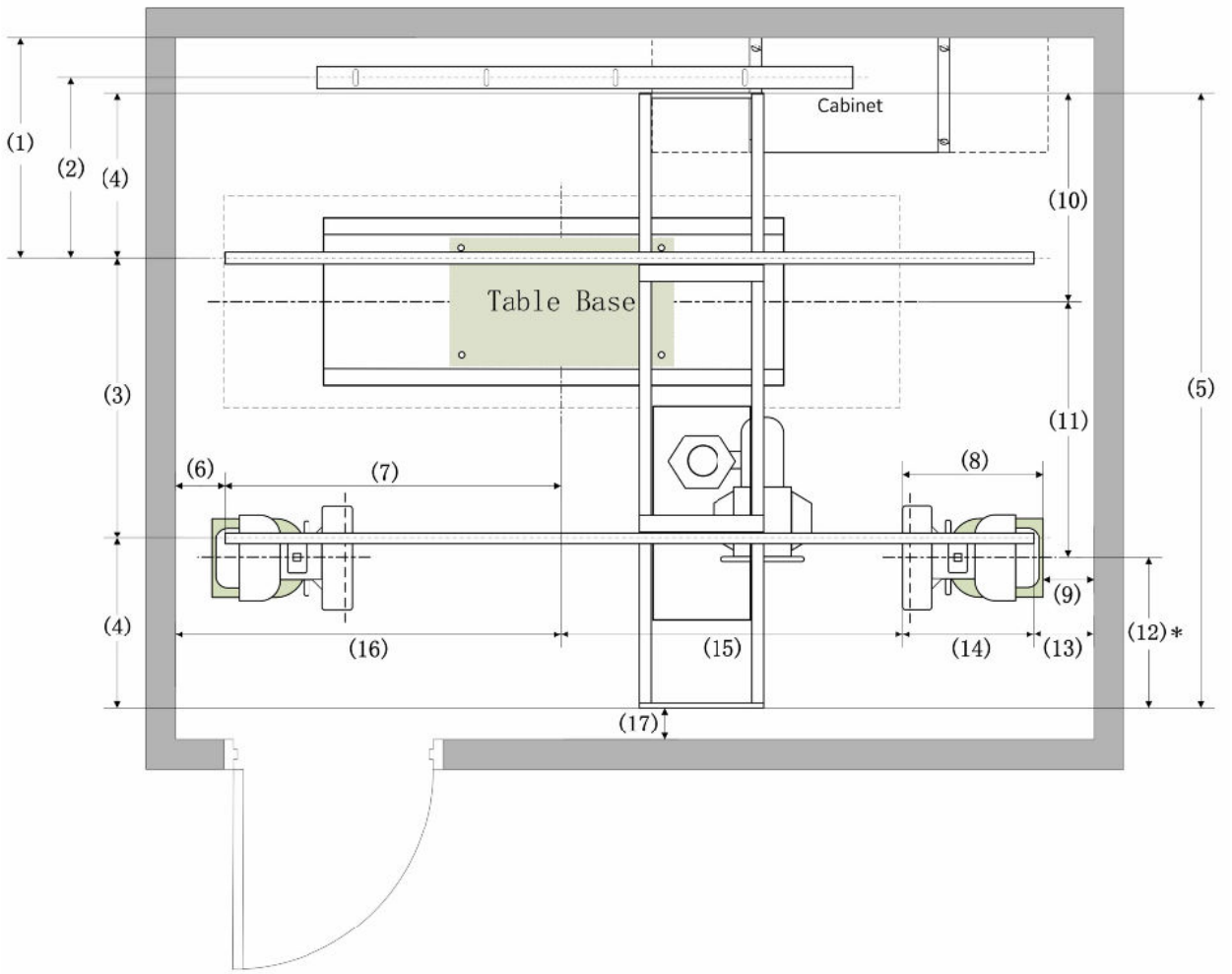


Table 2-15 Table and Non-tilting Wall Stand at head/foot side with 3m bridge

Item	Config	Limit Diension			Description
		Type	mm	in	
1	Cable drape	Min.	1000	39.37	Rear stationary rail center line to room wall
	Cable chain	Min.	1000	39.37	Rear stationary rail center to Wall without space for cable routing behind bracket
		Min.	1080	42.52	Rear stationary rail center to Wall with space for cable routing behind bracket
		Rec.	1245	49.02	
2	Cable drape	Min.	889	35.0	Longitude cable drape bracket 'UNISTRUT Structure' center line to rear stationary rail center line
	Cable chain	Range	870~960	34.25~37.8	Longitude cable chain bracket 'UNISTRUT Structure' center line to rear stationary rail center line can be accepted between 870~960, but cable chain bracket center to rear stationary center should be 915 fixed after installation.
		Rec.	915	36.0	
3	All	Fix	1422	56.0	Distance between stationary rails center.
4	All	Fix	863	34.0	Each stationary rail center to bridge front(or back) end surface
5	All	Fix	3148	123.94	Length of 3m bridge.

Table 2-15 Table and Non-tilting Wall Stand at head/foot side with 3m bridge (Table continued)

6	All	Min.	60	2.36	Bridge end surface to Wall.	
7	Wall Stand at foot side	Min.	1344	52.91	Table center line to head side rail end [Min. = (Min. of Tube center to rail foot end) 944/161 + (half of housing travel range) 370/2 + (half of detector width) 430/2 = 1344/561]. The tabletop floating travel range could exceeding the rail end, but should confirm the tabletop won't conflict to wall, refer Item (16).	
	Wall Stand at head side	Min.	561	22.09		
	All	Rec.	1720	67.72		
8	Non-tilting Wall Stand	Fix	611	24	Wall Stand patient panel to Wall Stand back end	
9	All	Min.	204	8	Wall Stand back end to head side wall	
10	All	Min.	754	29.69	Table center line to bridge rear end surface, but cabinet out of tabletop travel range	
			2100-(1)	82.68-(1)	Table center line to bridge rear end surface, cabinet in the rear of tabletop travel range. (This value should also bigger than 754.)	
		Rec.	1143	45.00	Recommend cabinet on the rear of table	
11	All	Min.	1143	45.0	Table center line to Wall Stand center line.[Min.=(focal spot to rear cover) 560+(tabletop width/2) 427+cable 106+margin 50]	
		Rec.	1320	51.97	Larger than Rec. value could support good auto position feature.	
12	Non-tilting Wall Stand	Min.	630	24.80	Wall Stand center to the bridge front surface. It should equal to (5)-(11)-(12). This is a reference dimension need to check after item(11) and (12) define.	
13	All	Min.	140	5.51	Bridge end surface to Wall.	
14	Wall Stand at foot side	Min.	0	0	Wall Stand patient panel to rail end, ensure Wall Stand 0 degree calibration.	
	Wall Stand at head side	Min.	294	11.57		
15	Wall Stand at head side	Min.	351	13.82	Without stretcher table, the table center line to Wall Stand patient panel distance	should = SID(1800) + 171 - (6)1720 + margin 100
	Wall Stand at foot side	Min.	1124	44.25		should = SID(1800) + 944 - (6)1720 + margin 100
16	All	Min.	1800	70.87	Table center line to head side Wall. [Min.= (tabletop floating half) 1720 + Margin: 80 = 1800]	
17	Non-tilting Wall Stand	Min.	60	2.36	Bridge front end surface to Wall.	
		Rec.	480	18.90		

Figure 2-49 Table and Non-tilting Wall Stand at front side with 3m bridge

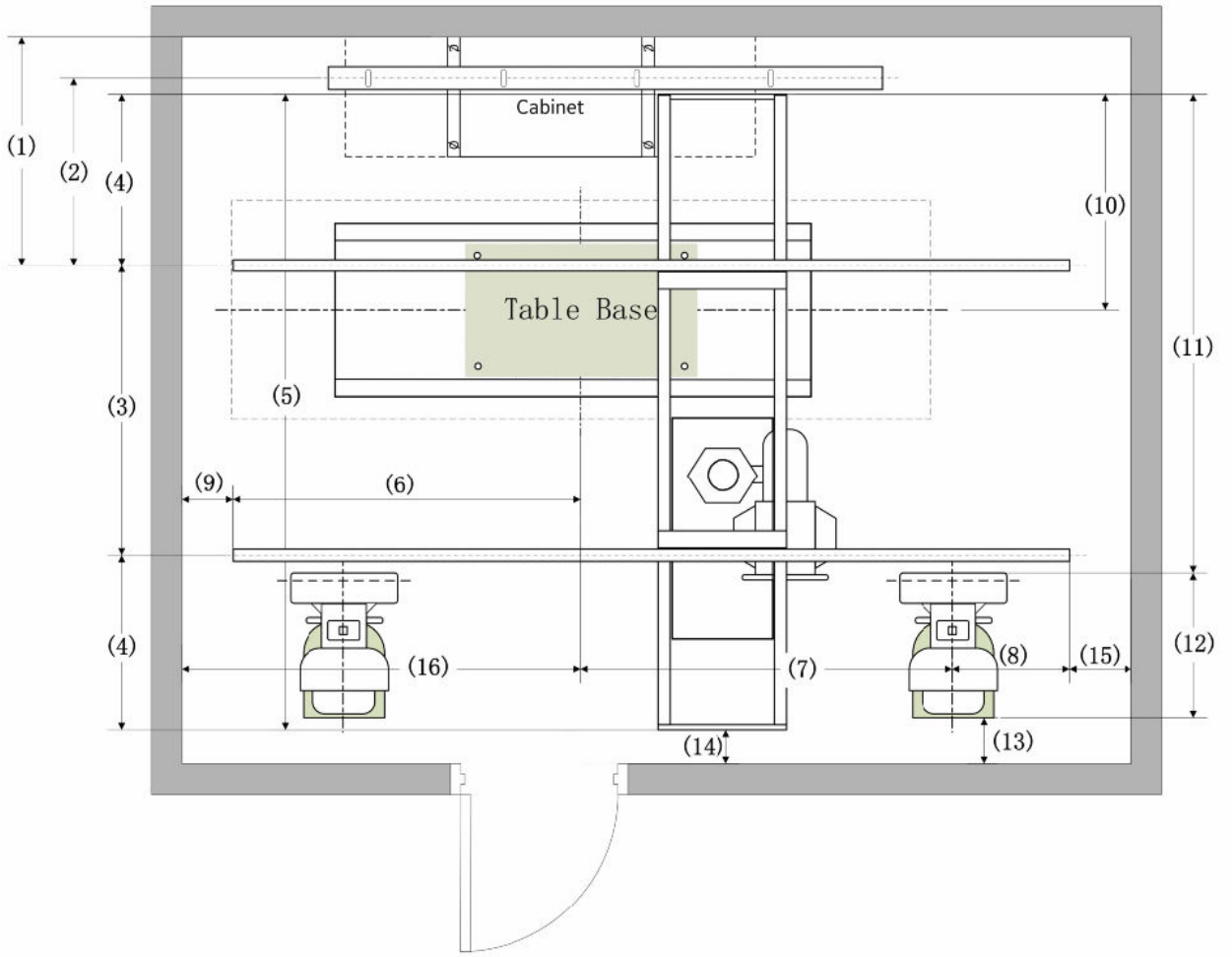


Table 2-16 Table and Non-tilting Wall Stand at front side with 3m bridge

Item	Config	Limit Diension			Description
		Type	mm	in	
1	Cable drape	Min.	1000	39.37	Rear stationary rail center line to room wall
	Cable chain	Min.	1000	39.37	Rear stationary rail center to Wall without space for cable routing behind bracket
		Min.	1080	42.52	Rear stationary rail center to Wall with space for cable routing behind bracket
		Rec.	1245	49.02	
2	Cable drape	Min.	889	35.0	Longitude cable drape bracket 'UNISTRUT Structure' center line to rear stationary rail center line
	Cable chain	Range	870~960	34.25~37.8	Longitude cable chain bracket 'UNISTRUT Structure' center line to rear stationary rail center line (cable chain bracket center to rear stationary center should be 915 fixed.)
		Rec.	915	36.0	
3	All	Fix	1422	56.0	Distance of stationary rail center
4	All	Fix	863	34.0	Each stationary rail center to bridge front(or back) end surface
5	All	Fix	3148	123.94	Length of bridge

Table 2-16 Table and Non-tilting Wall Stand at front side with 3m bridge (Table continued)

6	Wall Stand near foot side	Min.	1344	52.91	Table center line to head side rail end [Min. = (Min. of Tube center to rail foot end) 944/161 + (half of housing travel range) 370/2 + (half of detector width) 430/2 = 1344/561].
	Wall Stand near head side	Min.	561	22.09	The tabletop floating travel range could exceeding the rail end, but should confirm the tabletop won't conflict to wall, refer Item (16).
	All	Rec.	1720	67.72	
7	THC toward TBL	Min.	1700	66.93	Without stretcher table, the table center line to Wall Stand center line. Min=620+800+280
	THC toward Wall	Min.	1230	48.43	Without stretcher table, the table center line to Wall Stand center line. Rec=620+560+50
8	Wall Stand near foot side	Min.	909	35.79	Wall Stand center line to bridge head side end. 171+332+306+100
	Wall Stand near head side	Min.	1070	42.13	Wall Stand center line to bridge foot side end. 944-306+332+100
9	All	Min.	60	2.4	Rail end to Wall
10	All	Min.	754	29.69	Table center line to bridge rear end surface, but cabinet out of tabletop travel range
			2100-(1)	82.68-(1)	Table center line to bridge rear end surface, cabinet in the rear of tabletop travel range. (This value should also bigger than 754.)
		Rec.	1143	45.00	Recommend cabinet on the rear of table
11	column 90 degree clockwise	Min.	2528	99.5	Wall Stand patient panel to bridge rear end. 1800+654-332+306+100 margin
		Max.	3152	124.1	Wall Stand patient panel to bridge rear end. 3148-520+650-332+306-100 margin
	column -90 degree anticlock-wise	Min.	1916	75.4	Wall Stand patient panel to bridge rear end. 1800+654-332-306+100 margin
		Max.	2540	100.0	Wall Stand patient panel to bridge rear end. 3148-520+650-332-306-100 margin
12	Non-tilting Wall Stand	Fix	611	24	Wall Stand patient panel to tilting center line.
13	All	Min.	204	8	Wall Stand back side to Wall
14	All	Min.	60	2.36	Bridge front end surface to Wall
15	All	Min.	140	5.51	Rail end to Wall
16	All	Min.	1800	70.87	Table center line to Wall. [Min.= (tabletop floating half) 1720 + Margin: 80 = 1800]

Figure 2-50 Table and Non-tilting Wall Stand at rear side with 3m bridge

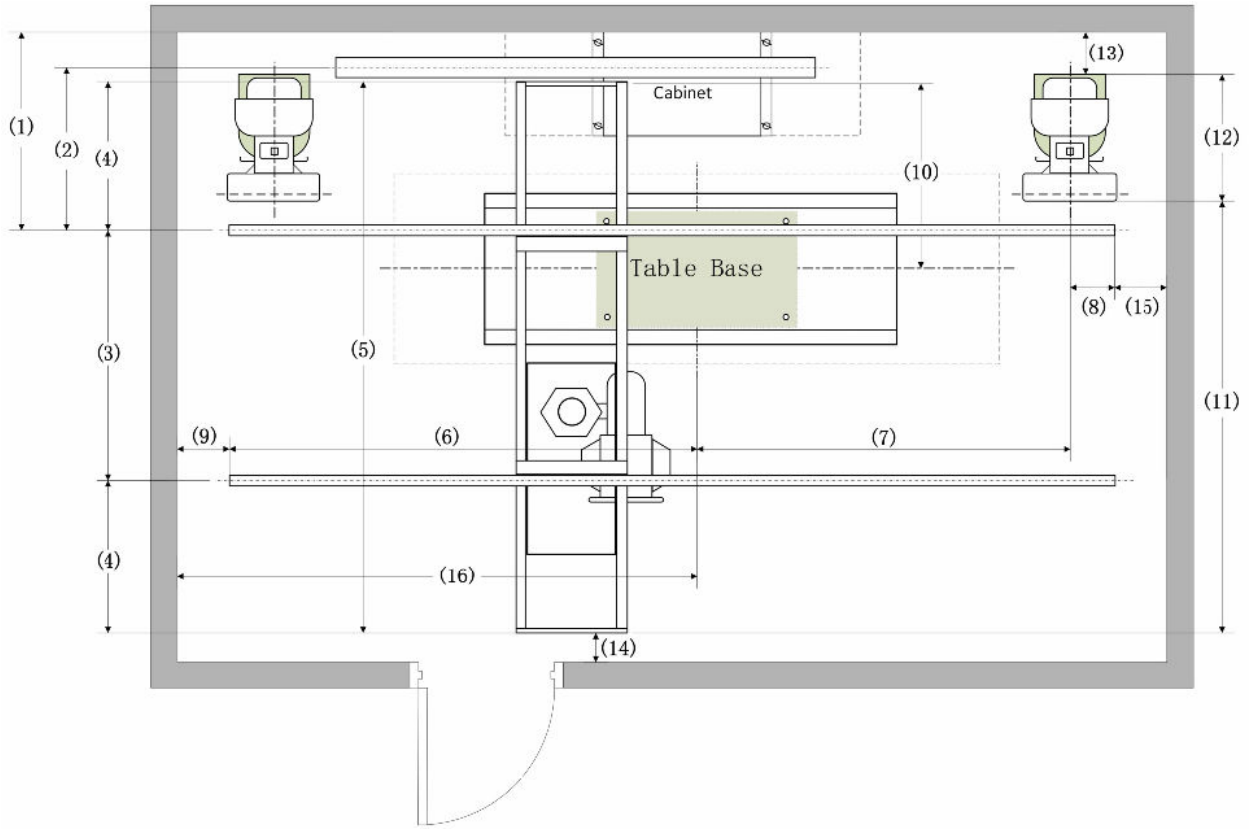


Table 2-17 Table and Non-tilting Wall Stand at rear side with 3m bridge

Item	Config	Limit Diension			Description
		Type	mm	in	
1	Cable drape	Min.	1000	39.37	Rear stationary rail center line to room wall
	Cable chain	Min.	1000	39.37	Rear stationary rail center to Wall without space for cable routing behind bracket
		Min.	1080	42.52	Rear stationary rail center to Wall with space for cable routing behind bracket
		Rec.	1245	49.02	
2	Cable drape	Min.	889	35.0	Longitude cable drape bracket 'UNISTRUT Structure' center line to rear stationary rail center line
	Cable chain	Range	870~960	34.25~37.8	Longitude cable chain bracket 'UNISTRUT Structure' center line to rear stationary rail center line (cable chain bracket center to rear stationary center should be 915 fixed.)
		Rec.	915	36.0	
3	All	Fix	1422	56.0	Distance of stationary rail center
4	All	Fix	863	34.0	Each stationary rail center to bridge front(or back) end surface
5	All	Fix	3148	123.94	Length of bridge
6	Wall Stand near foot side	Min.	1344	52.91	Table center line to head side rail end [Min. = (Min. of Tube center to rail foot end) 944/161 + (half of housing travel range) 370/2 + (half of detector width) 430/2 = 1344/561]. The tabletop floating travel range could exceeding the rail end, but should confirm the tabletop won't conflict to wall, refer Item (16).

Table 2-17 Table and Non-tilting Wall Stand at rear side with 3m bridge (Table continued)

	Wall Stand near head side	Min.	561	22.09	
	All	Rec.	1720	67.72	
7	THC toward TBL	Min.	1700	66.93	The table center line to Wall Stand center line. Min=620+800+280(**Recommend for clinical use**)
	THC toward Wall	Min.	1230	48.43	The table center line to Wall Stand center line. Rec=620+560+50(**Need check the operation space**)
8	Wall Stand near foot side	Min.	909	35.79	Wall Stand center line to bridge head side end. 171+332+306+100
	Wall Stand near head side	Min.	1070	42.13	Wall Stand center line to bridge foot side end. 944-306+332+100
9	All	Min.	60	2.4	Rail end to Wall
10	All	Min.	754	29.69	Table center line to bridge rear end surface, but cabinet out of tabletop travel range
			2100-(1)	82.68-(1)	Table center line to bridge rear end surface, cabinet in the rear of tabletop travel range. (**This value should also bigger than 754**.)
		Rec.	1143	45.00	Recommend cabinet on the rear of table
11	column 90 degree clockwise	Min.	2556	100.6	Wall Stand patient panel to bridge rear end. 1800+530+332-306+100 margin.
		Max.	3070	120.9	Wall Stand patient panel to bridge rear end. 3148-654+650+332-306-100 margin
	column -90 degree anticlock-wise	Min.	3068	120.8	Wall Stand patient panel to bridge rear end. 1800+530+332+306+100 margin.
		Max.	3682	144.96	Wall Stand patient panel to bridge rear end. 3148-654+650+332+306-100 margin.
12	Non-tilting Wall Stand	Fix	611	24	Wall Stand patient panel to tilting center line.
13	All	Min.	204	8	Wall Stand back side to Wall
14	All	Min.	60	2.36	Bridge front end surface to Wall
15	All	Min.	140	5.5	Rail end to Wall
16	All	Min.	1800	70.87	Table center line to Wall. [Min.= (tabletop floating half) 1720 + Margin: 80 = 1800].

Figure 2-51 Wall Stand only with 3m bridge

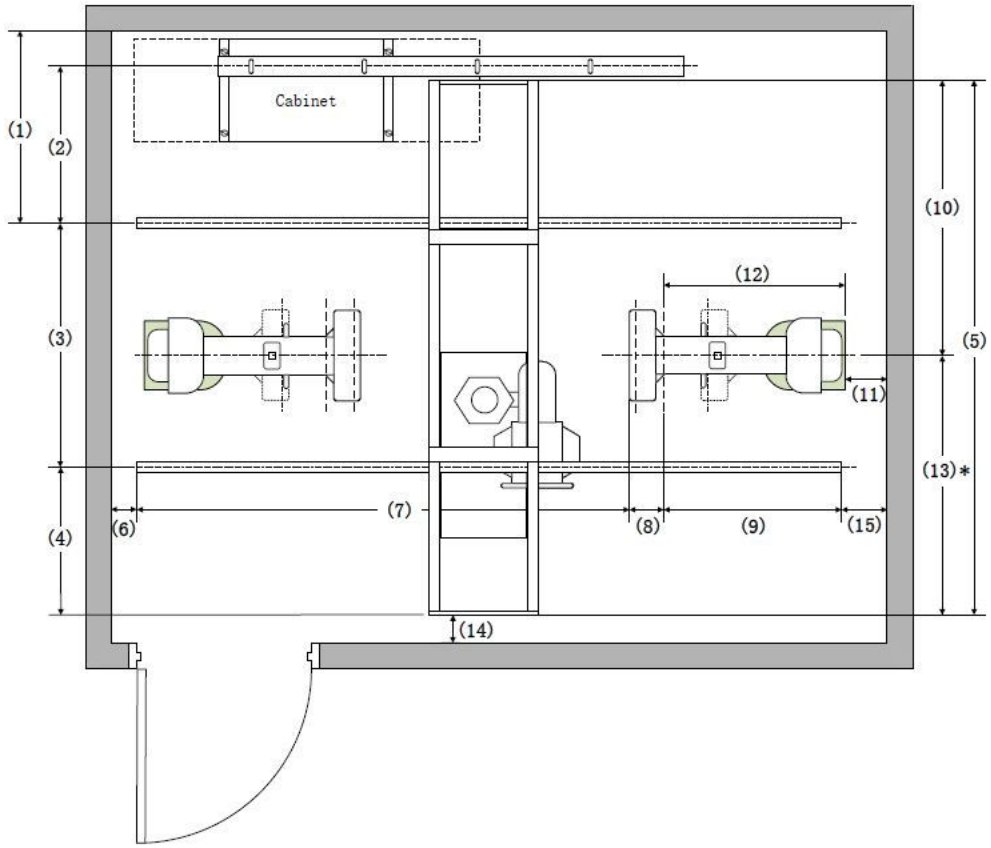


Table 2-18 Wall Stand only with 3m bridge

Item	Config	Limit Diension			Description
		Type	mm	in	
(1)	Cable drape	Min.	1000	39.37	Rear stationary rail center line to room wall
	Cable chain	Min.	1000	39.37	Rear stationary rail center to Wall without space for cable routing behind bracket
		Min.	1080	42.52	Rear stationary rail center to Wall with space for cable routing behind bracket
		Rec.	1245	49.02	
(2)	Cable drape	Min.	889	35.00	Longitude cable drape bracket 'UNISTRUT Structure' center line to rear stationary rail center line
	Cable chain	Range	870~960	34.26~37.79	Longitude cable chain bracket 'UNISTRUT Structure' center line to rear stationary rail center line (cable chain bracket center to rear stationary center should be 445 fixed.)
		Rec.	915	36.0	
(3)	All	Fix	1422	56.0	Distance of stationary rail center
(4)	All	Fix	863	34.0	Each stationary rail center to bridge front(or back) end surface
(5)	All	Fix	3148	123.94	Length of bridge
(6)	All	Min.	60	2.36	Rail end to Wall
(7)	Wall Stand at head side	Min.	2071	81.54	Wall Stand patient panel to rail end 1800+171+100 margin

Table 2-18 Wall Stand only with 3m bridge (Table continued)

	Wall Stand at foot side	Min.	2844	111.97	Wall Stand patient panel to rail end. 1800+944+100 margin
(8)	All	Fix	202	7.95	Wall Stand patient panel to tilting center line
(9)	Ext. Wall Stand at head side	Min.	1070	42.13	Wall Stand tilting center line to rail end
	Ext. Wall Stand at foot side	Min.	909	35.79	
(10)	All	Min.	754	29.69	OTS algin to Wall Stand center line
		Rec.	1575	62.01	Wall Stand center line to bridge rear end. (Recommend half of bridge length, except Ext.Wall Stand)
(11)	All	Min.	102	4.0	Wall Stand back end to Wall
(12)	Ext. Wall Stand	Fix	1058	41.65	Wall Stand tilting center line to Wall Stand back end surface
(13)*	Ext. Wall Stand at head side	Min.	1268	49.92	Wall Stand center line to bridge front end. **NOTE** This is a reference dimension need to check after item(10) define.
	Ext. Wall Stand at foot side	Min.	656	25.83	
(14)	All	Min.	60	2.36	Bridge front end to Wall. If dimension (13) is small, should double confirm the customer operation sapce on the front of console.
(15)	All	Min.	140	5.51	Rail end to Wall

Figure 2-52 Ext. Wall Stand only at head/foot side with 2m bridge

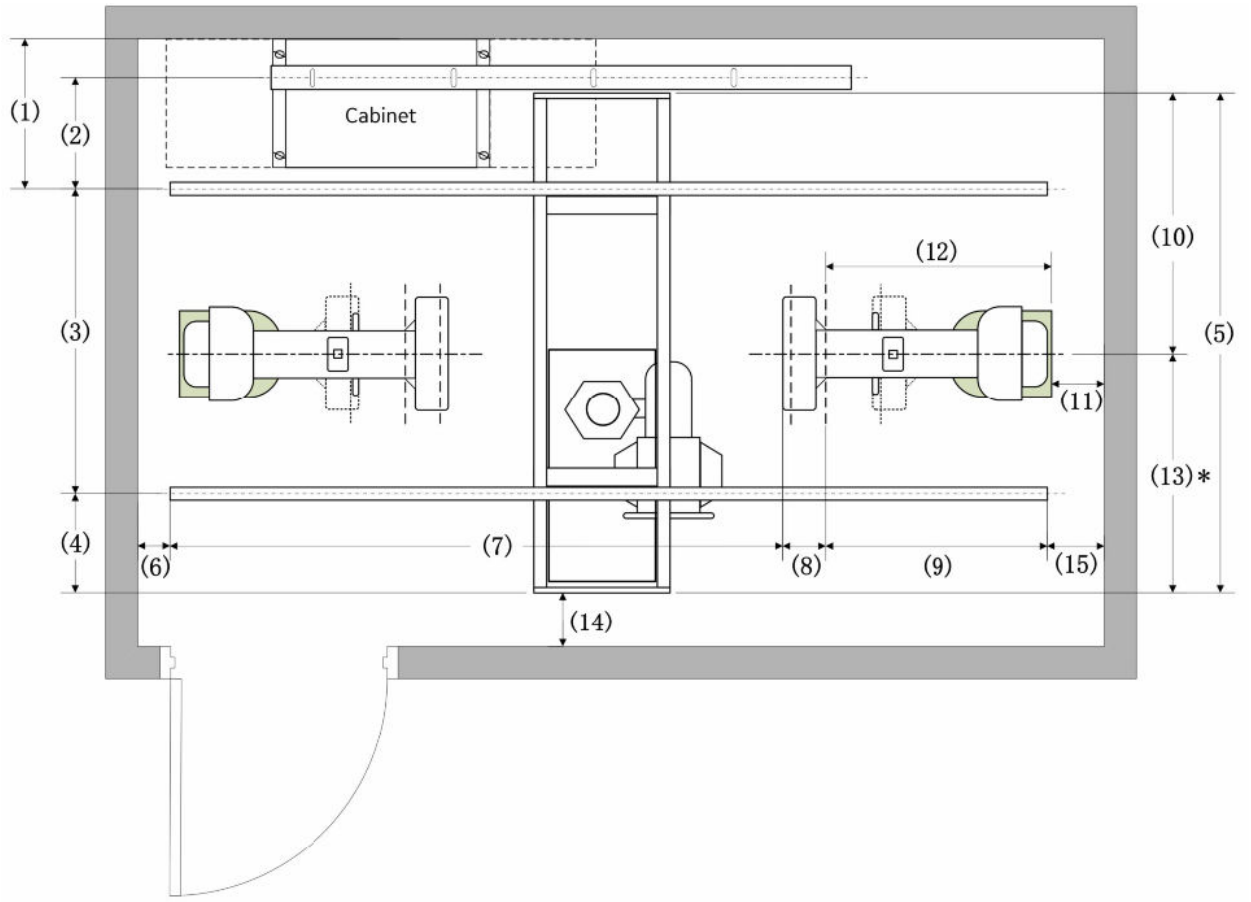


Table 2-19 Ext. Wall Stand only at head/foot side with 2m bridge

Item	Config	Limit Diension			Description
		Type	mm	in	
1	Cable drape	Min.	515	20.28	Rear stationary rail center line to room wall
	Cable chain	Min.	530	20.87	Rear stationary rail center to Wall without space for cable routing behind bracket
		Min.	620	24.41	Rear stationary rail center to Wall with space for cable routing behind bracket
		Rec.	815	32.09	
2	Cable drape	Min.	413	16.26	Longitude cable drape bracket 'UNISTRUT Structure' center line to rear stationary rail center line
	Cable chain	Range	400~490	15.75~19.29	Longitude cable chain bracket 'UNISTRUT Structure' center line to rear stationary rail center line (cable chain bracket center to rear stationary center should be 445 fixed.)
		Rec.	445	17.5	
3	All	Fix	1422	56.0	Distance of stationary rail center
4	All	Fix	368	14.5	Each stationary rail center to bridge front(or back) end surface
5	All	Fix	2158	84.96	Length of bridge
6	All	Min.	60	2.36	Rail end to Wall
7	Wall Stand at head side	Min.	2071	81.54	Wall Stand patient panel to rail end 1800+171+100 margin

Table 2-19 Ext. Wall Stand only at head/foot side with 2m bridge (Table continued)

	Wall Stand at foot side	Min.	2844	111.97	Wall Stand patient panel to rail end. 1800+944+100 margin
8	All	Fix	202	7.95	Wall Stand patient panel to tilting center line
9	Ext. Wall Stand at head side	Min.	1070	42.13	Wall Stand tilting center line to rail end
	Ext. Wall Stand at foot side	Min.	909	35.79	
10	All	Min.	754	29.69	OTS algin to Wall Stand center line
		Rec.	1080	42.52	Wall Stand center line to bridge rear end. (Recommend half of bridge length, except Ext.Wall Stand)
11	All	Min.	102	4.0	Wall Stand back end to Wall
12	Ext. Wall Stand	Fix	1058	41.65	Wall Stand tilting center line to Wall Stand back end surface
13	Ext. Wall Stand at head side	Min.	1268	49.92	Wall Stand center line to bridge front end. **NOTE** This is a reference dimension need to check after item(10) define.
	Ext. Wall Stand at foot side	Min.	656	25.83	
14	All	Min.	60	2.36	Bridge front end to Wall. If dimension (13) is small, should double confirm the customer operation sapce on the front of console.
15	All	Min.	140	5.51	Rail end to Wall

2.4.3.1 Room Layout Analysis for Table & WS at Foot (or Head)

Cabinet layout on foot (or head) side could meet smaller room size than on the rear of tabletop travel range.

2.4.3.2 Minimum Room Size Summary Result

Table 2-20 Minimum Room Size Summary Result

Config (Without Control Room)	Wall Stand type	Without stretcher table	With stretcher table width 650	Width
Table + Ext. Wall Stand + 3m bridge	Wall Stand head side	3573(140.67")	4592(180.79")	3595(141.54")
	Wall Stand foot side	4266(167.96")	4512(177.64")	3595(141.54")
Table + Non-tilting Wall Stand	Wall Stand head side	3560(140.16")	NA	3595(141.54")
	Wall Stand foot side	3720(146.46")	NA	3595(141.54")
	Wall Stand front side	4690(184.65")	NA	3584(141.1")
	Wall Stand rear side	4690(184.65")	NA	3941(155.16")
Wall Stand only + 2m bridge	Ext. Wall Stand at head	3573(140.67")		2470(97.25")
	Ext. Wall Stand at foot	4266(167.96")		2470(97.25")

Stretcher Table Model	H	L	W
Radiographic	750	2188	726
S1700JM Carbon Fiber	700	2200	650
GST-2	700	2004	640

NOTE

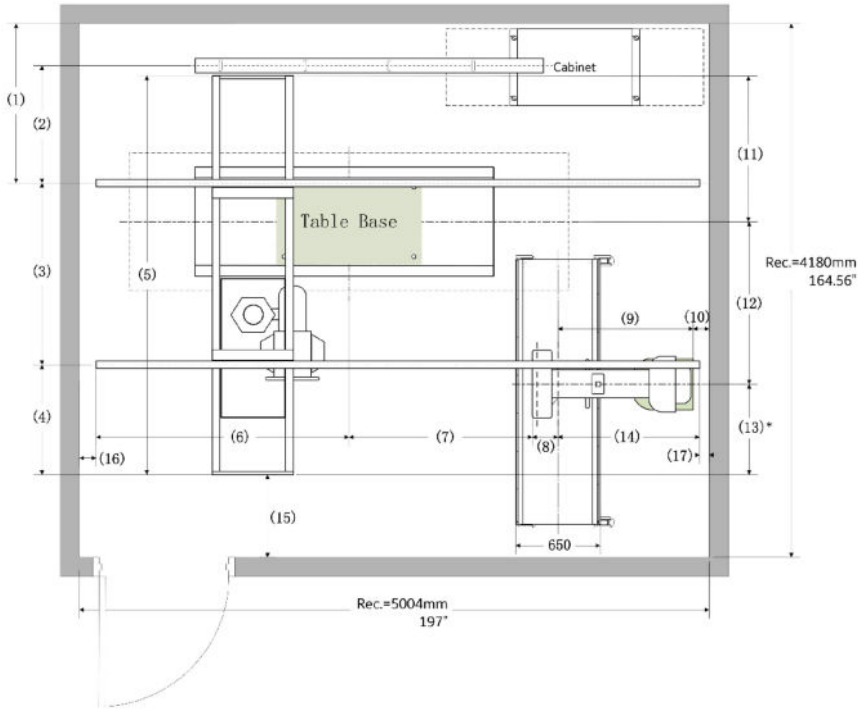
1. All the room width is default cable chain version, this is recommend configuration. But the drape version room width can minus 80 mm if the room size is needed.
2. Above data are MIN size with precise positioning, the recommended room size is 5000*4200.
3. Above room Min size not consider control room space. If the control room should layout in exposure room, should add the room width at least 1000 mm (depends on the control room width, assuming width 1300 mm).

2.4.3.3 Typical Room Template

Assumption:

1. Below drawings are some typical rooms according to previous room layout analysis, only for reference and understanding help. Need design room layout per real site room size and system configuration.
2. No considering room door position and control room, only considering main system layout.
3. Please **choose a rail that length as large as possible according to the room size**, adjust the rail nearer to head side to guarantee OTS travel range could cover the whole tabletop travel range. On the other hand, ensure the distance between end of rail and tilting detector center is almost minimum dimension in the template, so the operation space will be larger.

Figure 2-53 Table + Ext. Wall Stand at foot side fully space room



Item	Config	Limit Diension		
		Type	mm	in
(1)	Cable drape	Min.	1000	39.37
	Cable chain	Min.	1080	42.52
	All	Rec.	1245	49.02
(2)	Cable drape	Min.	889	35.0
	Cable chain	Fix	915	36.0
(3)	All	Fix	1422	56.0
(4)	All	Fix	863	34.0
(5)	All	Fix	3148	123.94
(6)	All	Min.	1720	67.72
		Rec.	2020	79.53
(7)	With Stretcher	Min.	1370	53.94
		Rec.	1550	61.02
(8)	All	Fix	201	7.91
(9)	Ext. WS	Fix	1058	41.65
(10)	All	Min.	102	4.0
(11)	All	Rec.	1143	45.00
(12)	All	Rec.	1320	51.97
~~(13)*~~	~~All~~	~~Min.~~	~~656~~	~~25.83~~
(14)	Ext. WS	Min.	909	35.79
(15)	All	Min.	480	18.90
		Rec.	650	25.59
(16)	All	Min.	60	2.36
(17)	All	Min.	140	5.51

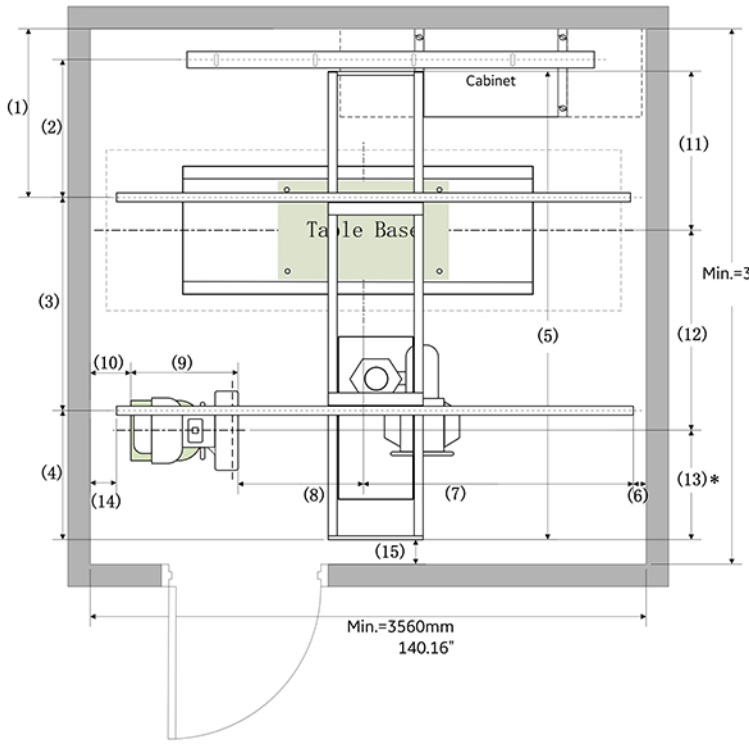
Rail length=4724.4 mm (186")
Bridge: 3m

Recommend Room size:
Length = (16)+(6)+(7)+(8)+(9)+(10) = 60+2020+1550+202+1058+102
= 4992 mm + 12mm buffer= 5004mm (197")
Width= (1)+(3)+(4)+(15) = 1245+1422+863+650 = 4180 mm (164.56")

Min:
Length = (16)+(6)+(7)+(8)+(9)+(10) = 60+1720+1370+202+1058+102
= 4512 mm (177.64")
Width= (1)+(3)+(4)+(15) = 1080+1422+863+480 = 3845 mm (151.38")

Room ceiling:
Refer room ceiling height section

Figure 2-54 Table + Non-tilting Wall Stand at head side minimum space room



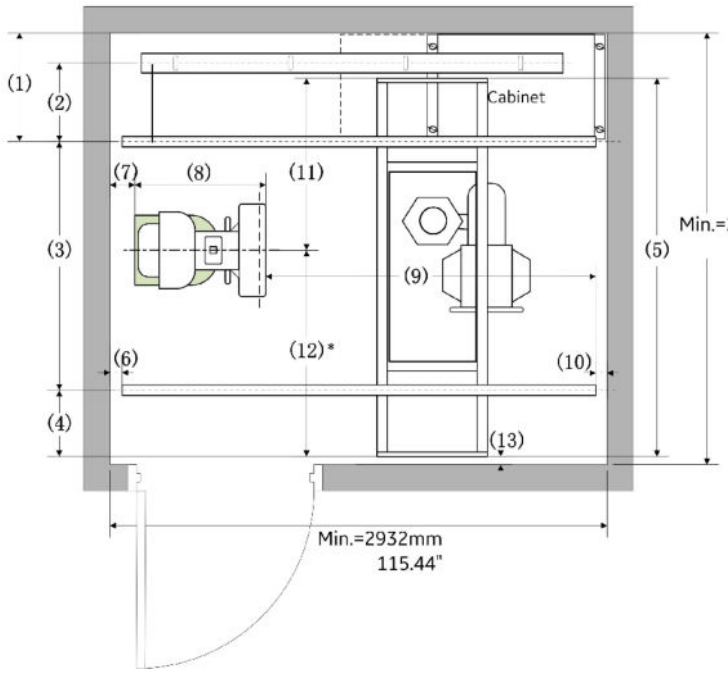
Item	Config	Limit Diension		
		Type	mm	in
(1)	Cable drape	Min.	1000	39.37
	Cable chain	Min.	1080	42.52
	All	Rec.	1120	44.09
(2)	Cable drape	Min.	889	35.0
	Cable chain	Fix	915	36.0
(3)	All	Fix	1422	56.0
(4)	All	Fix	863	34.0
(5)	All	Fix	3148	123.94
(6)	All	Min.	140	5.51
(7)	All	Min.	1720	67.72
(8)	Without Stretcher	Min.	351	13.82
(9)	Non-tilting WS	Fix	619	24.37
(10)	All	Min.	102	4.02
(11)	All	Min.	1143	45.00
(12)	All	Min.	1143	45.00
~~(13)*~~	~~All~~	~~Min.~~	~~630~~	~~24.80~~
(14)	All	Min.	140	5.51
(15)	All	Min.	60	2.36
		Rec.	230	9.06

Rail length=4114.5 mm (162")
If room length is minimum, should cut rail to 132".
Bridge: 3m

Room size Minimum:
~~Length = (6)+(7)+(8)+(9)+(10) = 140+1720+351+619+102 = 2932 mm~~
Length = Table travel range + 60*2 = 3560 mm (140.16")
Width= (1)+(3)+(4)+(15)+buffer= 1080+1422+863+60+25 = 3450 mm (135.83")

Room ceiling:
Refer to ceiling height section

Figure 2-55 Non-tilting Wall Stand only + 2m bridge tiny room



Item	Config	Limit Diension		
		Type	mm	in
(1)	Cable drape	Min.	530	20.87
	Cable chain	Min.	620	24.41
	All	Rec.	760	29.92
(2)	Cable drape	Min.	400	15.7
	Cable chain	Fix	445	17.5
(3)	All	Fix	1422	56.0
(4)	All	Fix	368	14.5
(5)	All	Fix	2158	84.96
(6)	All	Min.	60	2.36
(7)	All	Min.	102	4.02
(8)	Non-tilt WS	Fix	619	24.37
(9)	Without stretcher	Min.	2071	81.54
(10)	All	Min.	140	5.51
(11)	All	Rec.	1080	42.5
~~(12)*~~	~~All~~	~~Min.~~	~~630~~	~~24.80~~
(13)	Min	Min.	60	2.36

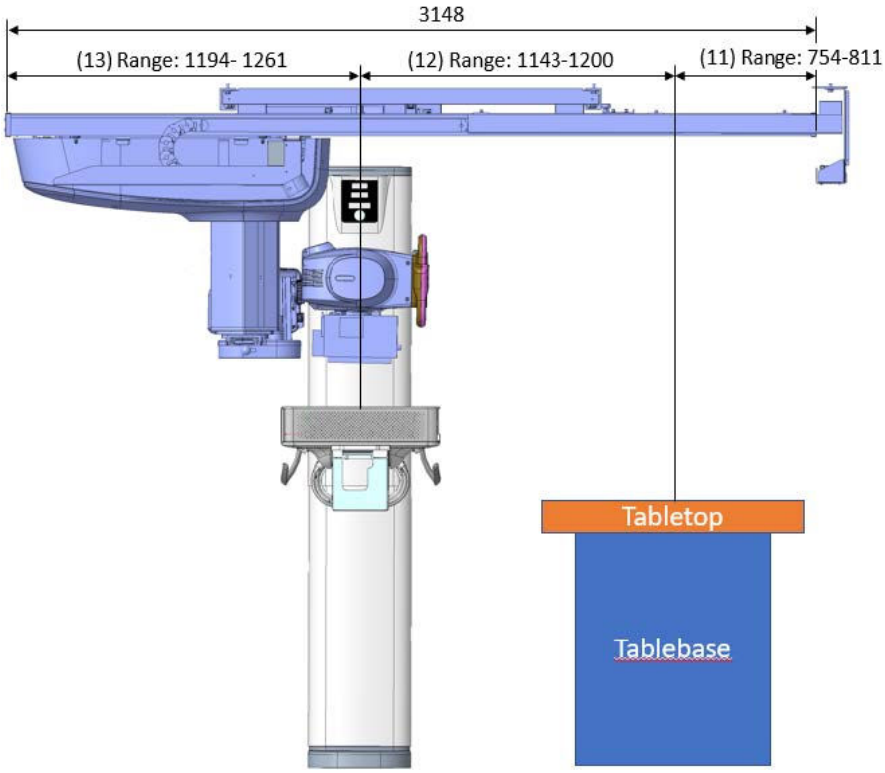
Rail length=4114.5 mm (162")
If room length is minimum, should cut rail to 107.5".
Bridge: 2m

Minimum Room size:
Length = (7)+(8)+(9)+(10) = 102+619+2071+140 = 2932 mm (115.44")
Width= (1)+(3)+(4)+(13) = 620+1422+368+60 = 2470 mm (97.24")

Room ceiling:
Refer to ceiling height section

Figure 2-56 Lateral view and requirement when rotate OTS column 180 Degree

All item (11), (12), (13) should in the range.



3 Special Construction

3.1 Radiation Protection

Because X-ray equipment produces radiation, special precautions may need to be taken or special site modifications may be required. The GE HealthCare Company does not make recommendations regarding radiation protection. It is the purchaser’s responsibility to consult a radiation physicist for advice on radiation protection in X-ray rooms.

4 HVAC-Environmental Requirements

This section provides information for the environmental requirements for the storage of the system.

NOTICE

Storage values only refer to equipment that is still in shipping containers.

The operating environment is the environmental requirements for the normal use of the device during the expected service life. It does not apply to the short-term manufacturing testing and the like.

4.1 Relative Humidity and Temperature

This section provides information for the environmental requirements for the storage of the system.

NOTICE

STORAGE VALUES ONLY REFER TO EQUIPMENT THAT IS STILL IN SHIPPING CONTAINERS.

If the equipment is partially or completely installed, refer to IN-USE values

The operating environment is the environmental requirements for the normal use of the device during the expected service life. It dose not apply to the short term manufacturing testing and the like.

Product or Component	**RELATIVE HUMIDITY (Non-Condensing)**		**Temperature**	
	IN-USE		**IN-USE**	
	MIN	**MAX**	**MIN.**	**MAX.**
Detector	20%	75%	15 °C (59°F)	32 °C (89.6°F)
Wall Stand	20%	75%	15 °C (59°F)	32 °C (89.6°F)
Table (TBL)	20%	75%	15 °C (59°F)	32 °C (89.6°F)
OTS	20%	75%	15 °C (59°F)	32 °C (89.6°F)
System Cabinet(SKL1)	20%	75%	15 °C (59°F)	32 °C (89.6°F)
Maxiray 100-09 X-ray Tube	20%	75%	15 °C (59°F)	32 °C (89.6°F)
Radiographic Stretcher Table (optional)	20%	75%	15 °C (59°F)	32 °C (89.6°F)
Operator Console:				
PC	20%	75%	15 °C (59°F)	32 °C (89.6°F)
Monitor	20%	75%	15 °C (59°F)	32 °C (89.6°F)

Limits for rates of change:

In-Use	Storage
<10 degree C / hour	<20 degree C / hour

<30% / hour	<30% / hour

4.2 Altitude and Atmospheric Pressure

Table 4-1 Environmental Requirements - (Altitude & Atmospheric Pressure)

Product or Component	ALTITUDE				ATMOSPHERIC PRESSURE			
Total System Limits	IN-USE		STORAGE		IN-USE		STORAGE	
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX
	-30 m (-98.43 ft)	3000 m (9843 ft)	-30 m (-98.43 ft)	3000 m (9843 ft)	70 kPa	106 kPa	70 kPa	106 kPa

Limits for rates of change:

In-Use Storage

< 1.8 kPA / hour < 76 kPA / hour

NOTICE

STORAGE VALUES ONLY REFER TO EQUIPMENT THAT IS STILL IN SHIPPING CONTAINERS. IF THE EQUIPMENT IS PARTIALLY OR COMPLETELY INSTALLED, REFER TO IN-USE VALUES.

The operating environment is the environmental requirements for the normal use of the device during the expected service life. It dose not apply to the short term manufacturing testing and the like.

4.3 Non-operating Environment

4.3.1 Temperature

The non-operating ambient temperature range of the packaged system (except detector) shall be -20 degrees centigrade to +60 degrees centigrade.

The transportation non-operating ambient temperature range of the packaged detector shall be -20 to 55 degrees centigrade and for exceptions the shipping containers should be labeled.

4.3.2 Humidity

The non-operating ambient humidity range of the packaged system shall be 10% to 85% relative humidity, non-condensing. Exceptions should have the shipping containers labeled.

4.3.3 Atmospheric Pressure

The non-operating ambient atmospheric pressure range of the packaged system shall be 106 kPa down to 70kPa.

4.3.4 Altitude

The non-operating altitude range of the packaged system shall be -30 meters up to 3000 meters to support transport at high altitude and for exceptions the shipping containers should be labeled.

4.4 Heat Output

The standby and momentary power and current of the system are provided as below.

Table 4-2 Heat Output @Loading factor: 80kV 1000mA 100ms

System Power Consumption	Power supply: 380V, 50Hz			
	Standby		In-Use	
Standby Power	0.84 Kilowatt	2866.08 BTU/hr		
Standby Current	L1: 1.05 A L2: 1.19 A L3: 1.60 A			
Momentary Power			122.90 Kilowatt	
Momentary Current				L1: 182.15 A L2: 184.03 A L3: 192.44 A

4.5 EMC Requirement

Refer to 6743101-8EN Service Manual EMC Compliance Statement chapter.

5 Electrical

5.1 System Facility Power and Grounds

5.1.1 Introduction

The purpose of this section is to ensure that the product is properly powered and grounded, thus ensuring the proper operation of the product installed. The information in this section should be adhered to, unless there are written deviations approved by GE HealthCare.

This section gives the sizes and procedures on how to power and ground your system. If these power and grounding instructions are not adhered to, proper operation cannot be guaranteed. Any cost associated and found to be a result of non-conformity, as stated in this section, may result in additional cost charged back to the institution and/or their contractor.

NOTICE

All system and sub-system power connections shall be made only to power outlets that are connected to the system.

5.1.2 Power Quality

The electrical power, from its origination to the system, must adhere to the wire size and transformer sizes as prescribed in the installation drawings. The feeder voltage-drops, as well as the supplying power, must be within the given parameters. Sizing for feeder is usually calculated for a maximum of 2% voltage drop at the minimum voltage range. The actual feeder sizing may vary from the installation drawing for a facilities voltage.

Calculate feeder losses before you begin. Total feeder losses must be calculated to ensure that the losses are less than those specified in the installation drawings. Calculating the recommended minimum transformer sizing for feeding a system ensures the transformer losses are less than half of the maximum regulation for the system.

Regulation is the calculated voltage losses for the entire power distribution system (No-Load Voltage minus Full-Load Voltage) divided by the no-load voltage minus the system losses (Full- Load Voltage):

$$\text{Regulation} = \frac{\text{NoLoadVoltage} - \text{FullLoadVoltage}}{\text{FullLoadVoltage}} \times 100\%$$

In the X-ray room, there must be a lockable facility power disconnect. It must be installed electrically before the equipment, for the purpose of locking out the power. This must be done before service to the high voltage system is performed.

5.1.3 Electrical Grounds

5.1.3.1 System and Facility Grounds

The ground for this system must originate at the system's power source and be continuous (i.e., transformer or first access point of power into a facility, and be continuous to the system power disconnect in the room). Ground connection at the power source must be at the grounding point of the "Neutral/Ground" if a "Wye" transformer is used, or typical grounding points of a separately derived system. In the case of an external facility, it must be bonded to the facility ground point at the electrical service entrance.

The "system" ground can be spliced using "High Compression Fittings" but must be properly terminated at each distribution panel it passes through. When it is terminated, it must be connected into an approved grounding block. Incoming and outgoing grounds must terminate at this same grounding block. Grounds must only be terminated to approved grounding blocks. Grounds must never connect directly to the panels, frames or other materials in a cabinet or distribution panel.

5.1.3.2 Recommended Ground Wire Sizes

The ground wire impedance from the system disconnect (including the ground rod) measured to earth, must not exceed 2 ohms (as measured by one of the applicable techniques described in Section 4 of ANSI/IEEE Standard 142 - 1982).

NOTE
For general system grounding requirements and information on establishing an equipotential grounding system, refer to:

- Direction 46-014505, Electrical Safety - Equipment Grounding
- Direction 46-014546, Electrical Safety - Leakage Currents

5.2 Electrical Requirements

5.2.1 Generator Electrical Requirements

All system components obtain their power from the Power Distribution Unit (PDU) in the System Cabinet. **Providing power and ground wires to the PDU are the responsibility of the customer**. As an aid, wire sizes for various lengths of the power supply cable are shown in the following tables.

NOTE
The length of stripped wires should be longer than 25 mm (1 in), and tinned.

NOTE
Shunt trip circuit breaker required. The main circuit breaker supplied by the customer must be sized in accordance to local regulations.

Generator Power Specifications

Table 5-1 Generator Power Specifications

Input Voltage	380/400/420/440/460/480 VAC Wye 3-Phase and ground without neutral
Daily Voltage variations	+/- 10% (VAC) In this range, the generator will operate without any de-rating in accuracy

Table 5-1 Generator Power Specifications (Table continued)

<table>
<tr><td>Nominal line frequency (Hz)</td><td>50 Hz / 60 Hz</td></tr>
<tr><td>Daily frequency variation (Hz)</td><td>+/- 3 Hz</td></tr>
<tr><td>Line Impedance</td><td>The apparent line impedance guaranteed by the customer should be equal or less than the values indicated below, according to the voltage value and the commercial power of the system.
Voltage range (V) Line Impedance (ohms)
<table>
<tr><th>3 phase</th><th>65 kW</th><th>80 kW</th></tr>
<tr><td>380</td><td>0.029</td><td>0.026</td></tr>
<tr><td>400</td><td>0.032</td><td>0.028</td></tr>
<tr><td>420</td><td>0.035</td><td>0.031</td></tr>
<tr><td>440</td><td>0.039</td><td>0.034</td></tr>
<tr><td>460</td><td>0.042</td><td>0.037</td></tr>
<tr><td>480</td><td>0.046</td><td>0.040</td></tr>
</table>
NOTE
400-480 VAC impedance values are based on IEC 60-2-54 standard. Values are interpolated from values in standard.</td></tr>
<tr><td>Inrush current</td><td>1000 Amps. Genetrator needs a 165 Amps and the fuse is a part of PDU. 1000 Amps is rating at 3 phase at system I/P, for generator 1000 Amps current may not be required. The max current raquired for generator is during start-up ((capacitor changing) and during peak power exposure for long durationns.</td></tr>
<tr><td>HV cable type</td><td>USA: 22 mm DSI (<= 165 pF/m)
HV cable connector = Federal standard</td></tr>
<tr><td>Ground Wire</td><td>Same as power cable</td></tr>
</table>

5.2.2 System Wire Sizes & kVA Load Characteristics

- Calculations based upon nominal voltage, wire size in AWG. To convert to mm^2, refer to Table 5-2 AWG Wire Size Conversion to mm^2 on page 99.
- Recommended feeder sizes from distribution transformer to the power cabinet.
- Neutral must be terminated inside the main disconnect panel and not at any GE cabinet.
- The grounding conductor will be of same size as the feeder wires. This ground will run from equipment back to the facility power source / main grounding point and always travel in the same conduit with the feeders and neutral if have.

Table 5-2 AWG Wire Size Conversion to mm^2

American Wire Gauge (AWG)	Diameter (Inches)	Diameter (mm)	Cross Sectional Area (mm^2)
6	0.1620	4.11	13.30
5	0.1819	4.62	16.77

Table 5-2 AWG Wire Size Conversion to mm^2 (Table continued)

American Wire Gauge (AWG)	Diameter (Inches)	Diameter (mm)	Cross Sectional Area (mm^2)
4	0.2043	5.19	21.15
3	0.2294	5.83	26.65
2	0.2576	6.54	33.61
1	0.2893	7.35	42.39
1/0	0.3249	8.25	53.46
2/0	0.3648	9.27	67.40
3/0	0.4096	10.40	84.97
4/0	0.46	11.68	107.16
250M	0.575	14.6	126.68
300M	0.630	16.0	152.0
350M	0.681	17.3	177.35
400M	0.728	18.49	202.68

5.2.2.1 Generator 3-Phase 65 kW and System - Minimum Wire Size

Wire Run Length	Input Voltage (VAC)					
	380	400	420	440	460	480
15 m (50 ft.)	7	8	9	9	9	10
30 m (100 ft.)	4	5	5	6	6	7
46 m (150 ft.)	2	3	3	3	4	4
61 m (200 ft.)	1	1	2	3	3	3
77 m (250 ft.)	1/0	1/0	1	1	2	2
92 m (300 ft.)	2/0	1/0	1/0	1/0	1	1
107 m (350 ft.)	3/0	2/0	1/0	1/0	1/0	1
122 m (400 ft.)	3/0	2/0	2/0	2/0	1/0	1/0
138 m (450 ft.)	3/0	3/0	3/0	3/0	2/0	1/0
Minimum wire size for circuit breaker, based on recommended overcurrent protection. All the calculations are based on the conductivity @20°C						

5.2.2.2 kVA Load Characteristics 65KW

Phase	Three Phase					
Nominal Line Voltage (Vac)	380	400	420	440	460	480
Momentary Line Current (Amp)	150	143	136	130	124	119
Power Demand (kVA)	110	110	110	110	110	110
Frequency	47/53 Hz and 57/63 Hz					

5.2.2.3 Generator 3-Phase 80 kW and System - Minimum Wire Size

Table 5-3 Generator 3-Phase 80 kW System - Minimum Wire Size

Wire Run Length	Input Voltage (VAC)					
	380	400	420	440	460	480
15m (50 ft.)	7	7	7	8	8	9
30m (100 ft.)	4	4	4	5	5	6
46m (150 ft.)	2	2	3	3	3	4
61m (200 ft.)	1	1	1	2	2	3
77 m (250 ft)	1/0	1/0	1/0	1	1	1
92 m (300 ft)	2/0	2/0	1/0	1/0	1/0	1
107m (350ft)	3/0	2/0	2/0	2/0	1/0	1/0
122m (400 ft)	3/0	3/0	3/0	2/0	2/0	1/0
138m (450 ft)	4/0	4/0	3/0	3/0	2/0	2/0
Minimum wire size for circuit breaker, based on recommended overcurrent protection. All the calculations are based on the conductivity @20°C						

5.2.2.4 kVA Load Characteristics 80KW

Table 5-4 kVA Load Characteristics 80 kW

Phase	Three Phase					
Nominal Line Voltage (Vac)	380	400	420	440	460	480
Momentary Line Current (Amp)	170	162	154	147	142	139
Power Demand (kVA)	125	125	125	125	125	125
Frequency	47/53 Hz and 57/63 Hz					

5.2.3 Recommended Wall "Circuit-Breaker" Ratings

Table 5-5 Wall Breaker Parameter (Theoretical Current Values)

Power / Voltage	65 kW	80 kW
380 V	75A/600V	85A/600V
400 V	72A/600V	81A/600V
420 V	68A/600V	77A/600V
440 V	65A/600V	74A/600V
460 V	57A/600V	71A/600V
480 V	55A/600V	68A/600V

5.2.4 Wiring Electrical Power and Disconnects

This section provides additional data regarding power circuits the customer must provide, and internal electrical circuits necessary to supply the correct power to the system. Figure 5-1 Room Power Supply on page 102 shows the room power supply installed.

5.2.4.1 Room Power Supply

Figure 5-1 Room Power Supply

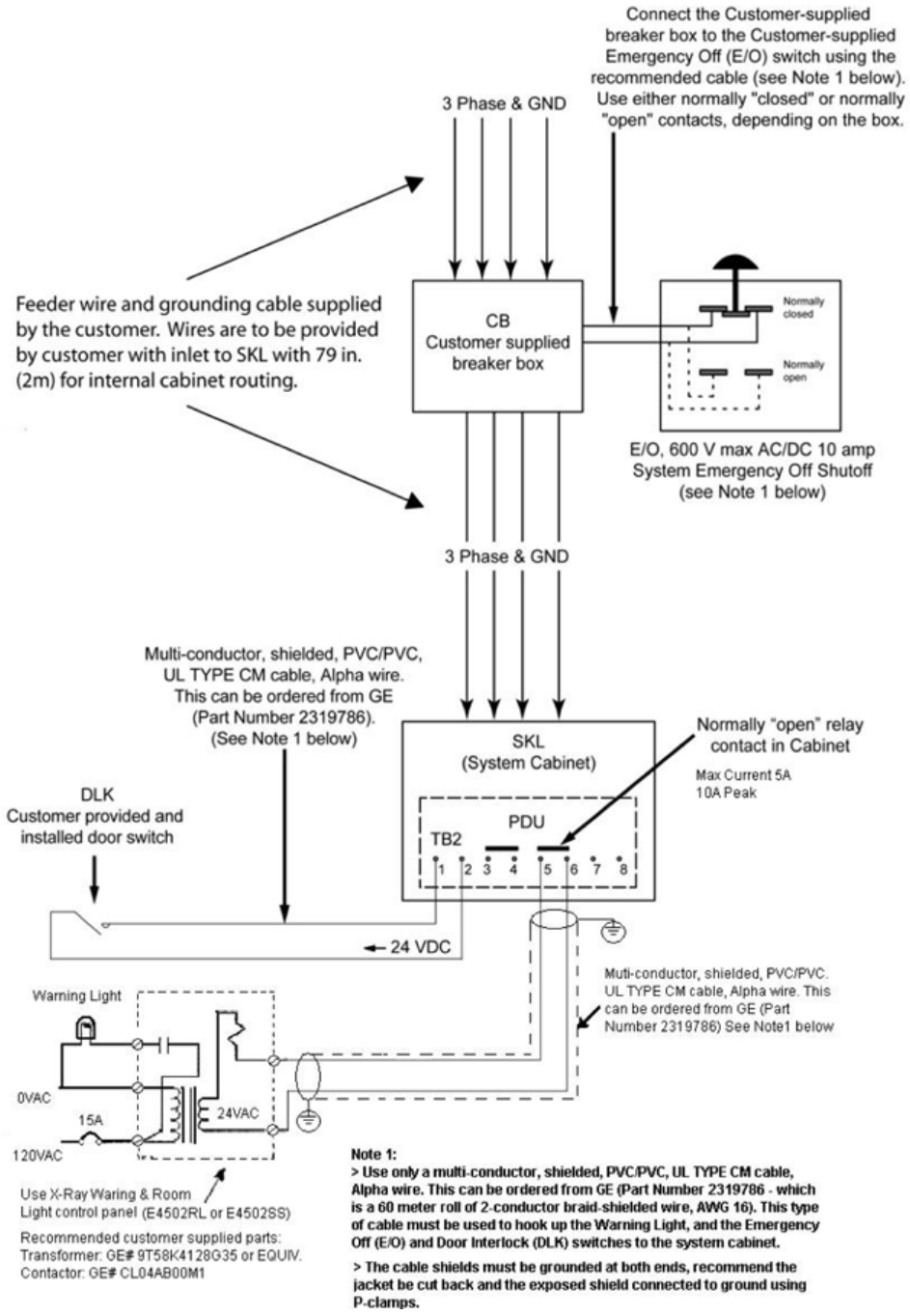


Table 5-6 Legend for Illustration above

United States Key	Description
Feeder Wires and Grounding Cable	Feeder wire and grounding cable supplied by the customer. Wires are to be provided by customer with inlet to SKL with 2 meters for internal cabinet routing).
E/O(see Note below)	Emergency Off switch located near room access door. The switch is supplied by the Hospital. Therecommended distance above the floor is 1.5 meters. Useonly a multi-conductor, shielded cable to connect to System Cabinet.
XRL	Yellow X-ray emission indicator lamp above the room access door. 220 V in Eu- rope/120 V in USA with 25 W max. bulb (per local regulations). Wires and light fixtures supplied by customer.
DLK (see Note below)	Open-door detector (per local regulations). SKL provides 24 VDC.
CB	Circuit breaker with remote trip (shunt) capabilities supplied by customer.

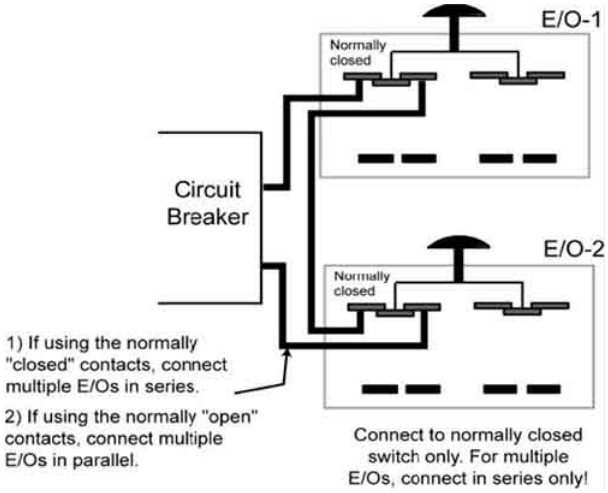
NOTE

Use only a multi-conductor, shielded, PVC/PVC, UL TYPE CM cable, Alpha wire. The cable shield must be grounded at both ends, with the system cabinet grounding, avoid make wireless transmission unintelligible by causing interference.

5.2.4.2 Multiple Emergency "OFF" Switches

The facility designer determines the quantity and locations of the Emergency OFF (E/O) switches. GE recommends placing at least one Emergency OFF switch near the doorway of every room in the system scan suite.

Figure 5-2 Wiring Multiple "Emergency OFF" (E/O) Switches



5.3 Routing Cables

5.3.1 General

These wires must be kept separated from each other:

- High voltage and power cables must be separated from other cables

- Separate conduits must be used for power and signal wires
  Use a separate trough in the duct system, or use a separate conduit.

  Minimize cable length between the line disconnect and the System Cabinet power unit to reduce voltage regulation problems and wiring costs.

5.3.1.1 Electrical Ducts (Recommended)

It is important that electrical ducts have separate compartments for power and signal wires. These wires must be kept separated from each other for proper system operation.

Electrical ducts have advantages, when used with a single room or two adjacent rooms. Electrical ducts combine cabling in a neat and functional appearance, with accessibility and room for expansion.

5.3.1.2 Conduit

If conduit is used make sure the conduit is large enough to pull the cable and connector through with all the other cables all ready in the conduit.

The use of conduit is recommended for cables running overhead between rooms, especially when a diagonal run provides the shortest cable path.

5.3.2 Power Distribution

The system power distribution consists of two major components that must either be customer supplied or GE HealthCare supplied. These are:

- Feeder power from Hospital distribution center to the System Cabinet load power unit (SKL).
- Feeder power must be provided via a WYE transformer only with dedicated ground. Neutral is not used.
- Power distribution from the System Cabinet load power unit (SKL) to all the components in the system room.

Usually the feeder power from the Hospital distribution center is customer supplied and the power distribution within the system is supplied by GE HealthCare.

5.4 Light Specification

The monitor screen is adjusted for an optimum ambient light level of 50 lux.

5.5 Dimensioned Figures and Drawings

5.5.1 System Equipment Cable Entrance

Figure 5-3 System Cabinet Cable Entrances

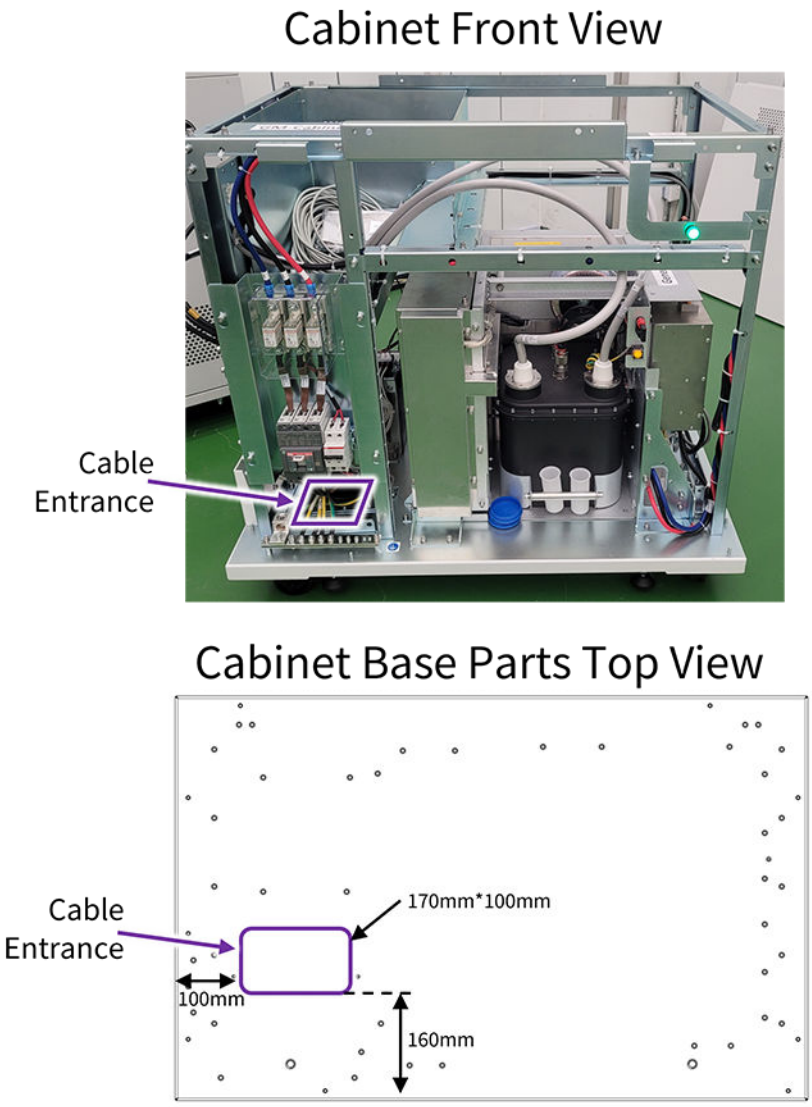


Figure 5-4 Cabinet power supply cable routing via pre-drill to compliance local regulations.

For example: The power supply cable should route through the 2'' hole form the cabinet pre-drill in US market sites. And there must have a 90° elbow mounting onto the 2'' hole bracket.

NOTE
FE need prepare 90° elbow materials for cabinet power supply cable.

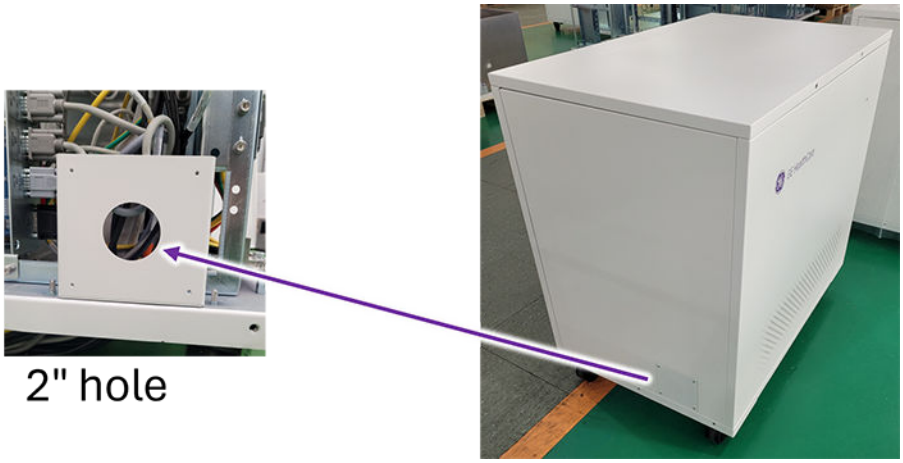
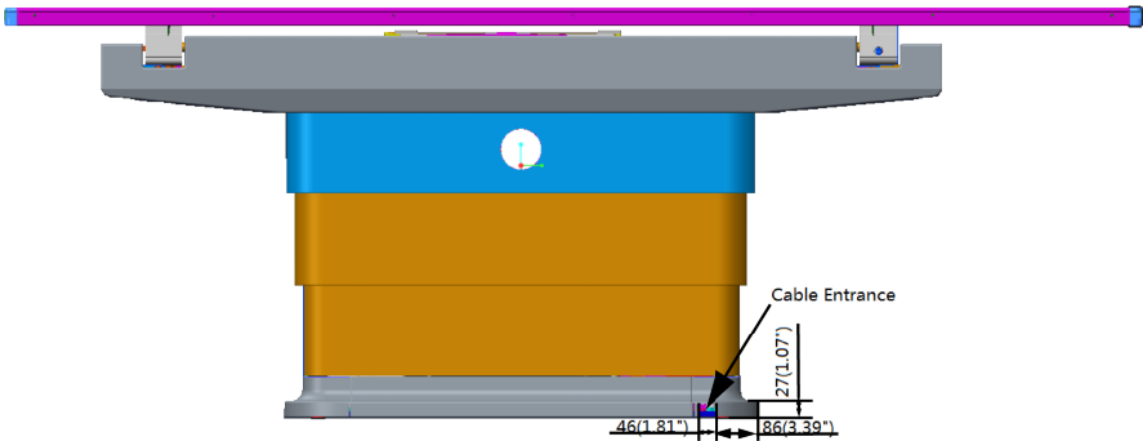


Figure 5-5 Definium Tempo Select Table Cable Entrance



NOTE
This is the back side of the table

Figure 5-6 Base View of Table

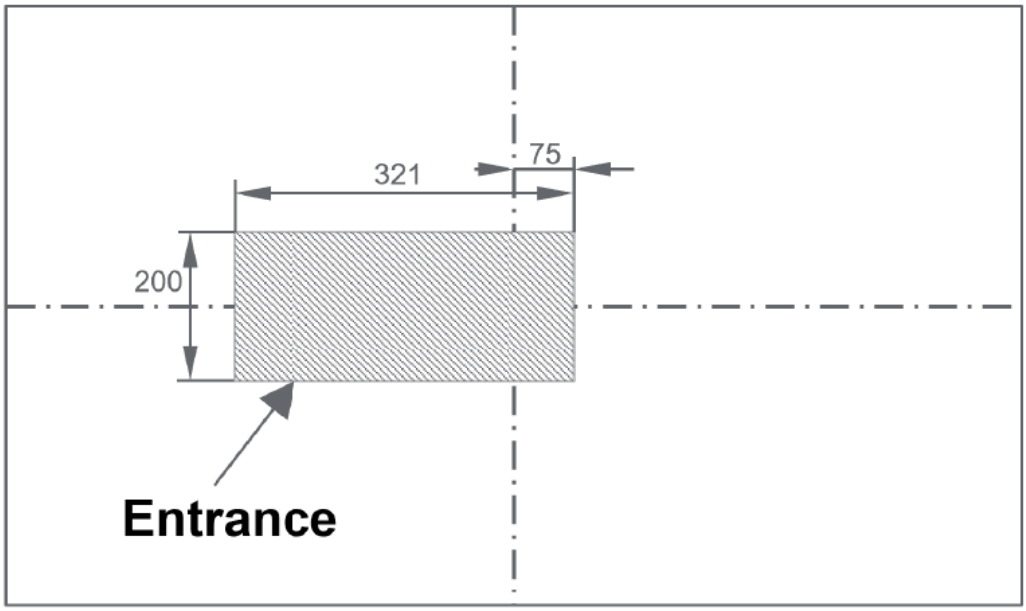
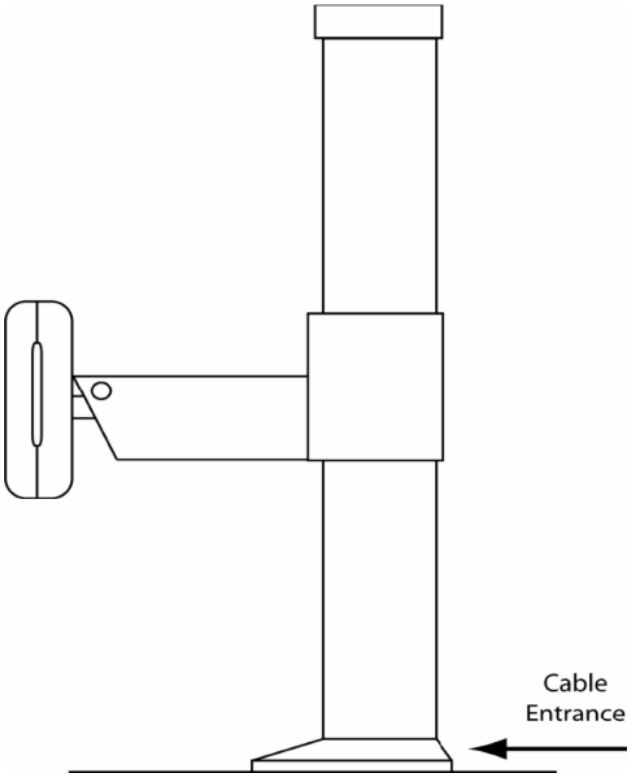


Table Base View

Figure 5-7 Wall Stand Cable Entrance



6 Communications/Networking

6.1 Hospital Network

6.1.1 Broadband Network Connection

The system is equipped with Broadband fast Ethernet hardware for Service diagnostics. Systems equipped with Digital Imaging are capable of placing electronic images on the Hospital image Ethernet Network. It is the purchaser's responsibility to provide the Ethernet connection (rated at 100Mb/sec transfer rate for optimal performance) within 3 feet (0.91 meters) of the Operator Console.

The network connection is made at the Operator Console.

- 100 BaseT network connection is preferred
- 10 BaseT network connection is acceptable

NOTE
If using GE PACS LITE BOX software, the GE PACS LITE BOX software revision must be 6.1d02 or greater. Older versions will not work with the system.

NOTE

1. Connection of the product to a network that includes other equipment could result in previously unidentified risks to patients, operators or third parties;
2. The responsible organization should identify, analyze, evaluate and control these risks;
3. Subsequent changes to the network could introduce new risk and require additional analysis; and changes to the network include:
    - Changes in network configuration;
    - Connection of additional items to the network;
    - Disconnecting items from the network;
    - Update of equipment connected to the network;
    - Upgrade of equipment connected to the network.

NOTE
The means required to present the images for diagnostic purpose shall comply with the requirements of DICOM standards.

6.1.2 Phone Line(s) - Voice

It is recommended that phone line(s) be installed within 3 feet (0.91 meters) of the Operator Console and be operational prior to installation.

6.1.3 Remote Services Broadband Pre-Installation Requirements for Europe

1. To enable an easier installation and to benefit from remote support (service and engineering teams), equipment should be RSVP connected at installation.
2. Thus the connectivity solution to implement should be decided during pre installation and all related data should be available before installation starts.
3. For all installations make sure that you have at least one RJ45 dedicated to connect the new equipment on the LAN. In case of Broadband, this connection will also be used for the remote service of the equipment.
4. GE HealthCare offers a wide range of connectivity solutions: From full GEHC package (GEHC supplies Router and customer buys the line) to customized solutions (GEHC adapts to customer infrastructure).
5. Network devices (like CISCO Routers for instance) can be shipped with the equipment only if the Sales Representative has added the connectivity item in the order.
6. For complete descriptions of these connectivity solutions, please refer to the Broadband Solutions catalogue available through your local GEHC sales and service representative.
7. Connectivity Process and pre-installations checklists are available in the Broadband Connectivity Pre-Installation Manual (PIM) available through your local GE HealthCare sales and service representative.
8. For each solution selected by the customer the pre-installation checklist must be fulfilled by site IT manager in order to get connectivity information (site IT manager contacts, IP address...) available at installation.

NOTE

Connection of the product to a network that includes other equipment could result in previously unidentified risks to patients, operators or third parties;

- The responsible organization should identify, analyze, evaluate and control these risks;
- Subsequent changes to the network could introduce new risk and require additional analysis; and
  - Changes to the network include;
  - Changes in network configuration;
  - Connection of additional items to the network;
  - Disconnecting items from the network;
  - Update of equipment connected to the network;
  - Upgrade of equipment connected to the network.

6.2 Networkflow Audit

Understanding how your facility leverages its network investment through our Networkflow process will help us better integrate the Definium Tempo Select system into your operations. The following is

intended to identify the various ways the system can fit into your workflow and the ramifications of selecting one path or another. We would like to start at the beginning, with the patient arriving at your facility, going through registration/admittance/patient scheduling and proceed all the way to the read images being archived.

6.2.1 What is the Networkf Audit

This audit was designed to collect information on your network, your DICOM equipment, your workflow and your dataflow. Once this information is collected, it will be used to determine the best way the system can fit into your facility. The information will also be used to ease and speed the integration of the system into your facility .This audit is intended to be performed before the system is quoted to you. With all facts uncovered, GEHC can prepare a more accurate quote and minimize "surprises" at the time of install.

You should fill this out with the GE HealthCare representative. They will be able to answer any questions you may have.

6.2.2 Facility Information

Name of Facility:		Room #:	
Workflow Contact:		Phone:	
Network Infrastructure Contact:		Phone:	
DICOM Device Contact:		Phone:	
Other Contact:		Phone:	
GEHC Sales Representative:			
GE HealthCare Auditor:			

6.2.3 Workflow Analysis

When the patient arrives in the system room for the exam, how is the patient data entered into the system?					
☐	Manually typed	☐	Entered via barcode reader Barcode for-mat:_____	☐	Downloaded from HIS/RIS
If the patient information was downloaded from a HIS/RIS system, how would the query be structured? (Pick all that apply)					
☐	By date	☐	By modality	☐	By patient information
☐	Other method - Please explain:				
In retrieving patient schedule information, do you query					
☐	Once at the start of the shift	☐	Several times during a shift	☐	Before each patient
What percent of images acquired are reviewed via softcopy? _____% What percent of images acquired are printed? _____%					
Once the digital diagnostic images are acquired, what is your facility's default workflow? (Pick one)					

☐	Manually send	☐	Automatically push		
(Pick all that apply)					
☐	Review station(s)	☐	Archive system(s)	☐	Printer(s)
When images are configured for automatic push, what would you like to be sent to PACS/archive/ review stations?					
☐	Raw	☐	Processed	☐	Raw and Processed
When images are printed, on what device is the print command originated? (Pick all that apply)					
☐	The system	☐	A review workstation	☐	A PACS system
How soon after the images are acquired is the first image quality check done?					
☐	Before the next image is shot	☐	Before the patient leaves	☐	After patient leaves
When it comes to image quality, would you prefer to;					
☐ Consider all images good unless marked bad ☐ Consider all images bad unless marked good					

6.2.4 The Physical Network

Physical infrastructures vary widely from institution to institution. GE HealthCare tried to pick the most popular networking connection to ease integration into your facility's network.

In the system room, this facility;					
☐	Has 100baseT installed	☐	Has 10baseT installed	☐	Has a different network installed
☐	Will have 100baseT installed	☐	Will have 10baseT installed	☐	We don't have a network installed
Do you segment your network using subnets?					
☐	Yes	☐	No		
Our equipment's IP addresses are:					
☐	Static	☐	Acquired via DHCP	☐	A combination of both methods

6.2.5 System Parameters

The Definium Tempo Select system default uses the following IP Addresses internally:

- 192.168.1.1 eth0
- 192.168.2.1 eth1
- 192.168.3.1 br0 (eth2/3)
- 192.168.1.30 detector IP before detector boot
- 192.168.3.50 detector IP after boot in Tether/wireless

NOTICE

If the hospital network uses 192.168.x.x, there will be a conflict. If this conflict occurs, you must contact your GEHC service representative to change the internal IP addresses used by the system.

Definium Tempo Select System Host Name:	
Network (IP) Address: _ _ _ . _ _ _ . _ _ _ . _ _ _	
Subnet Mask: _ _ _ . _ _ _ . _ _ _ . _ _ _	
Router IP: _ _ _ . _ _ _ . _ _ _ . _ _ _	
Scheduled Station AE Title:	
The Host Name is the network's name for the Definium Tempo Select system. IP addresses uniquely identify a device on a network. IP addresses are constructed of 32 bits, usually displayed as four numbers separated by a period. Please indicate the Network (IP) Address that will be assigned to the system.	Subnets are a method of logically dividing a network into smaller blocks. This is usually done based upon locality, functionality or security requirements. If your facility will place the system on a subnet, please list the Subnet Mask and Router IP. The Scheduled Station AE (Application Entity) Title is the name your HIS/RIS system will use to send worklist information to the Definium Tempo Select system.

Table 6-1 Remote Host Data

Remote Hosts	**Include a DICOM Compliance Statement for each device**		
This remote Host is a:	☐ Review Work Station ☐ Archival Device ☐ PACS System ☐ MPPS Server	☐ Review Work Station ☐ Archival Device ☐ PACS System ☐ MPPS Server	☐ Review Work Station ☐ Archival Device ☐ PACS System ☐ MPPS Server
Manufacturer/Model:			
Software/Firmware version:			
Network(IP) Address:	_ _ _._ _ _._ _ _._ _ _	_ _ _._ _ _._ _ _._ _ _	_ _ _._ _ _._ _ _._ _ _
DICOM Compliance Level:	☐ 1.0 ☐ 2.0 ☐ 3.0 ☐ Not DICOM Compliant	☐ 1.0 ☐ 2.0 ☐ 3.0 ☐ Not DICOM Compliant	☐ 1.0 ☐ 2.0 ☐ 3.0 ☐ Not DICOM Compliant
Image Types Supported:	☐ DX ☐ CR	☐ DX ☐ CR	☐ DX ☐ CR
Supports Multiframing:	☐ Yes ☐ No	☐ Yes ☐ No	☐ Yes ☐ No
Host Name:			
Do you plan to use this device as a:			
Remote Host Server	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____

Table 6-1 Remote Host Data (Table continued)

Remote Hosts	Include a DICOM Compliance Statement for each device		
Query/Retrieve?	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____ • Query/Retrieve by ☐ Study ☐ Patient	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____ • Query/Retrieve by ☐ Study ☐ Patient	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____ • Query/Retrieve by ☐ Study ☐ Patient
Storage Commitment	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____ • Network (IP) Address: _ _ _._ _ _._ _ _._ _ _	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____ • Network (IP) Address: _ _ _._ _ _._ _ _._ _ _	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____ • Network (IP) Address: _ _ _._ _ _._ _ _._ _ _
MPPS Server	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____ • Network (IP) Address: _ _ _._ _ _._ _ _._ _ _	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____ • Network (IP) Address: _ _ _._ _ _._ _ _._ _ _	☐ Yes ☐ No If "Yes", provide: • AE Title: _____ • Port Number: _____ • Network (IP) Address: _ _ _._ _ _._ _ _._ _ _

NOTE

Information on Definium Tempo Select:

- The system allows you to configure only 1 HIS/RIS server.
- The system allows you to configure only 1 MPPS server.
- The system allows configuration of multiple printers and multiple PACS/ archive/ review stations.
- The Host Name of all the nodes configured on the system should be unique within the system.

6.2.6 Devices & Services Audit

Use the following narrative to complete the form on the previous page.

REMOTE HOSTS: Remote hosts are DICOM devices to which the Definium Tempo Select system can push an image. Remote hosts can be review workstations, archival devices, or PACS systems.Please indicate the type of remote host. Now indicate the manufacturer and model name or number.

Compatibility can vary with software versions, please indicate the version of device firmware/software the device will be running.

List the device's **IP address**.

The answers to the next several items can be found in the device's DCS (DICOM Conformance Statement).

Please indicate the highest level of **DICOM conformance** for this device. If the device is not DICOM compliant, please indicate so and move on to the next device.

If the device does have some level of DICOM conformance, please return a copy of the DICOM Conformance Statement with this completed form.

DICOM supports a number of **image types**. Please indicate if this device supports the DX and/or the CR image types.

The **host name** is the name that will appear on the screen and users will use to indicate this device. Please list the host name.

The next four sections address the four services that remote host devices may offer. Each of the services will have its own AE (application entity) title and port number. The AE title is the name given to a service or application provided by a DICOM device. The port number is a logical designation within the device.

These pieces of information are available in the device's DCS.

Being a **remote host server** allows the Definium Tempo Select system to push images to other devices. If you want the device to accept this service, check yes and provide the AE title and port number.

Being a **query/retrieve** service class provider allows the Definium Tempo Select system to query this device and retrieve images stored there. If you want this device to provide these services to the Definium Tempo Select system check yes and fill in the requested items. The query/retrieve by study or patient controls how much the user is able to retrieve at one time.

- For study, the user may retrieve studies, series, images.
- For patient, the user may retrieve all of the study attributes plus a patient's entire image collection.

A **storage commitment** provider confirms that images sent by the Definium Tempo Select system to an archival system were received and stored. This option is only available when the Definium Tempo Select system is sending DX type images. If your device supports both DX image types and storage commitment, check yes and provide the AE title, the port number and the network (IP) address.

The **MPPS server** receives the messages sent by the Definium Tempo Select system. These messages consist of information such as when the exam started and closed, how many images were acquired, dose information, etc. This information is then updated on the Hospital Scheduling system. If the site has an MPPS server, provide the AE Title, IP address and port number.

Printers	**Include a DICOM Compliance Statement for each printer**	
Manufacturer/Model:		
Software/Firmware Version:		
Prints via Spooler:	☐ Yes ☐ No	☐ Yes ☐ No
Network (IP) Address:	_ _ _._ _ _._ _ _._ _ _	_ _ _._ _ _._ _ _._ _ _
DICOM Compliance Level:	☐ 1.0 ☐ 2.0 ☐ 3.0 ☐ Not DICOM Compliant	☐ 1.0 ☐ 2.0 ☐ 3.0 ☐ Not DICOM Compliant

Printers	Include a DICOM Compliance Statement for each printer	
Host Name:		
Printer AE Title:		
Port Number:		

- Printer:
  As with the remote hosts, please list the manufacturer and the model name/number. The software/firmware version should also be entered. Next, supply the IP address of the printer.
- DICOM Compliance Level
  Indicate the DICOM compliance level of the printer. If it is not DICOM compatible, please indicate so.

  DICOM compatibility does not guarantee all functions will work properly. Include every unique printer's DICOM Compliance Statement.
- Host Name
  Supply the Host name for the printer.
- Printer AE Title & Port Number
  Look in the DCS for the printer's AE title and port number.

RIS Systems	Include a DICOM Compliance Statement for each device	
Manufacturer/Model:		
Software/Firmware Version:		
Network (IP) Address:	_ _ _._ _ _._ _ _._ _ _	_ _ _._ _ _._ _ _._ _ _
DICOM Compliance Level:	☐ 1.0 ☐ 2.0 ☐ 3.0 ☐ Not DICOM Compliant	☐ 1.0 ☐ 2.0 ☐ 3.0 ☐ Not DICOM Compliant
Host Name:		
HIS/RIS AE Title:		
Port Number:		
Modality used for Scheduling:	☐ DX ☐ CR	☐ DX ☐ CR

- RIS Systems
  As with the remote hosts please list the manufacturer and the model name/number. The software/firmware version should also be entered.
- Network (IP) Address
  Indicate the IP address the device is using.
- DICOM Compliance Level
  Indicate the DICOM compliance level the device is using. Please include the DCS for the RIS with this completed form.
- HIS/RIS AE Title & Port Number
  Look in the DCS for the AE title and port number.
- Modality used for Scheduling
  Please indicate if this device supports the DX and/or the CR image types. This information should also be in the device's DCS.

6.2.7 Data Flow Analysis

Now that we have outlined the way your facility works and the devices you work with, we would like to define how the images flow through your network. The Definium Tempo Select system is an

acquisition-only device. Because of that fact you will need to move acquired images off the system and into your work/data flow. Please use the chart below to describe your data flow. As an example, if your facility reviewed images as the first step after acquisition, the review box would be checked in the first column of the Task row (shaded) and the review workstation would be checked in the first column of the Device row. You should use each of the functions once.

1st step after acquisition	2nd step after acquisition	3rd step after acquisition
☐ Archive	☐ Archive	☐ Archive
☐ Print	☐ Print	☐ Print
☐ Review	☐ Review	☐ Review
☐ Archivedevice	☐ Archivedevice	☐ Archivedevice
☐ PACS	☐ PACS	☐ PACS
☐ Printer	☐ Printer	☐ Printer
☐ ReviewWorkstation	☐ ReviewWorkstation	☐ ReviewWorkstation
☐ Spooler =>Printer(s)	☐ Spooler =>Printer(s)	☐ Spooler =>Printer(s)
☐ Spooler =>Review Workstation(s)	☐ Spooler =>Review Workstation(s)	☐ Spooler =>Review Workstation(s)

Printing: It is important to us to understand the path your images follow before they are printed. We are now looking to answer the question of what road an image most typically travels on its way to be printed regardless if that is the first step in your process or not. Please try to find in the list below the path that best describes the path the image takes from acquisition to printing.

☐ XR System =>Printer

☐ XR System =>Spooler =>Printer(s)

☐ XR System =>Archive Device =>Printer

☐ XR System =>Archive Device =>Spooler =>Printer (s)

☐ XR System =>Archive Device =>Review Workstation =>Printer

☐ XR System =>Archive Device =>Review Workstation =>Spooler =>Printer

☐ XR System =>PACS =>Printer

☐ XR System =>PACS =>Spooler =>Printer

☐ XR System =>Review Workstation =>Printer

☐ XR System =>Review Workstation =>Spooler =>Printer

☐ XR System =>Other: _____ =>Printer(s)

Image Review: Now let's trace the path from acquisition to image review. Again, pick the item below that best describes how the image flows from the Definium Tempo Select system to the radiologist.

☐ XR System =>Printer =>Printed Film =>Radiologist

☐ XR System =>Review Workstation =>Radiologist

☐ XR System =>Archive Device =>Review Workstation =>Radiologist

☐ XR System =>PACS =>Radiologist

☐ XR System =>PACS =>Review Workstation =>Radiologist

☐ XR System =>Other: _____=>Radiologist

Archive: The final part of this triad is archiving images. Pick the item below that best describes the flow of images to be archived.

- ☐ XR System =>Archive Device
- ☐ XR System =>PACS
- ☐ XR System =>Printer =>Printed Film =>Filing System
- ☐ XR System =>Review Workstation =>Archive Device
- ☐ XR System =>Review Workstation =>PACS
- ☐ XR System =>Other: _____ =>Archive Device

6.2.8 What Will Happen Next

Next, your completed audit sheet will be analyzed by your GE HealthCare representative and any issues identified.

6.3 Remote Configuration

Contact Security Administrator for information on outbound traffic allowance and to start connectivity workflows. The Definium Tempo Select (Definium Tempo Select Software) can connect to GEHC Back Office / Online Center, this allows for remote health monitoring, diagnostics, and can help facilitate troubleshooting customer problems. Site information is required for configuration, see below. A site may require the System ID and System IP Address to begin workflow. The following URLs will need to be accepted by the site for outbound traffic to GEHC:

- https://insite.gehealthcare.com:443
- https://as1-insite.gehealthcare.com:443
- https://as2-insite.gehealthcare.com:443
- https://download.flexnetoperations.com:443
- https://gehealthcare-ns.flexnetoperations.com:443

For EU Sites:

- https://insite-eu.gehealthcare.com:443
- https://as1-insite-eu.gehealthcare.com:443
- https://download.flexnetoperations.com:443
- https://gehealthcare-ns.flexnetoperations.com:443

For China Sites:

- https://insite.gehealthcare.cn:443
- https://as1-insite-cn.health.ge.com:443
- https://as2-insite-cn.health.ge.com:443
- https://download.flexnetoperations.com:443
- https://gehealthcare-ns.flexnetoperations.com:443

The Definium Tempo Select (Definium Tempo Select Software) can connect to GEHC Back office / OLC. This allows for remote diagnostic and help to facilitate troubleshooting customer problems. Site information is required for configuration, see

Can the device communicate on port 443/SSL?	• Yes • No
Is a proxy needed for outbound traffic	• Yes (Proceed with the following) • No (stop)
Proxy IP Address (XXX.XXX.XXX.XXX):	
Proxy Port Number:	
Does proxy require authentication?	• Yes (Proceed with the following) • No (stop)
Proxy Username:	
Proxy Password:	

NOTE

The vpn tunnel can be used for sites that were previously configured for insite 1 vpn connections. Enter the IP port for the server in the proxy details in the SUIF (**Configuration** > **InSite** > **Proxy**)

Proxy Server Address: 150.2.1.251

Proxy Server Port: 8002

Open a case with RSVP team to map the new system in the back office to RSVP: http://supportcentral.ge.com/ProcessMaps/form_new_request.asp?prod_id=24026&form_id=249959&node_id=463500&map_id=&reference_id=&reference_type=

7 System Cable Information

7.1 Introduction

The following information is provided as an aid to make the physical installation of system cables easy and efficient. In the tables that follow, the physical characteristics of each cable and its associated connectors is provided. Thus making it easier to plan cable paths and clearances in advance. Physical characteristics are given for each available cable length. Review cable lengths carefully and choose lengths appropriate for your installation prior to the equipment arriving, to avoid unnecessary installation delays.

Remember, it is up to you to make sure that all cables are routed and connected in accordance with all regulatory laws that may apply.

7.2 Cable Information

7.2.1 OTS

Table 7-1 OTS – 2m bridge

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
1	5823490	G4 OTS cable assembly, 2m bridge.	NA	NA	NA	NA	NA	NA
2	5160469-1	FeiTian HV cable-Anode	25M (82.02FT)	24.5M (80.38FT)	75KV	190×80×80	Cabinet to Tube	Shield
3	5160469-2	Fei Tian HV Cable-cathode	25M (82.02FT)	24.5M (80.38FT)	75KV	190×80×80	Cabinet to Tube	Shield
4	5146500-8	FeiTian OTS Ground Cable	20M (65.62FT)	19.5M (63.98FT)	350V AC 500V DC	ϕ10 × 35	Cabinet to OTS Carriage	Non-Shield
5	5829498	Angulation axis drive cable, G4 OTS	4.95M (16.24FT)	4.45M (14.6FT)	24V DC	52×72×16	Big control box to angulation axis	Shield
6	5829497	Cuckoo board dual axis interface cable	1.38M (4.53FT)	0.88M (2.89FT)	5V DC	50×55×15	Big control box to small control box	Shield
7	5837404	CAN MIS Cable, G4 OTS	23.5M (75.10FT)	23M (75.46FT)	12V DC	41×32×15	Cabinet to OTS big control box	Shield
8	5829500	G4 OTS infrared receiver communication cable	15M (49.21FT)	13.8M (45.27FT)	350V AC 500V DC	41×32×15	Big control box to IR board	Shield

Table 7-1 OTS – 2m bridge (Table continued)

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
9	5848159	G4 OTS Camera Ethernet Cable	35M (114.8FT)	35M (114.8FT)	500V	27×11.8×7.1	Magic PC to OTS Console	Shield
10	5842599	G4 OTS logic board ground cable	1.44M (4.72FT)	0.94M (3.08FT)	0V	23×10×5	Carriage to big control box	Non-shield
11	5842602	G4 OTS Angulation Ground Cable	4.45M (14.6FT)	3.95M (12.96FT)	0V	0×11×5	Carriage to Tube	Non-shield
12	5826602	G4 OTS power cable，system power	20M (65.62FT)	19.5M (63.98FT)	110V AC/ 220V AC	86×27×20	Cabinet to OTS Carriage	Non-shield
13	5826603	G4 OTS power cable, motor power	20M (65.62FT)	19.5M (63.98FT)	110V AC/ 220V AC	86×27×20	Cabinet to OTS Carriage	Non-shield
14	5829502	Collimator and UIF communication cable	5.93M (19.45FT)	5.43M (17.81FT)	24V DC	50×55×15	Big control box to UIF and Collimator	Shield
15	5842598-2	G4 OTS longitude ground cable, 2m bridge.	3.662M (12FT)	3.162M (10.37FT)	0V	30×11×5	Carriage to longitude axis	Non-shield
16	5146500-9-ROHS	FeiTian Tube Stator,Fan and Pressure Switch Cable - ROHS compliant.	25M (82.02FT)	24.5M (80.38FT)	350V AC 500V DC	40×30×30	Cabinet to Tube	Shield
17	5829510-2	G4 OTS longitude axis drive cable, 2m bridge.	3.862M (12.67FT)	3.362M (11.03FT)	24V DC	52×72×16	Small control box to longitude axis	Shield
18	5823490-12	G4 OTS cable assembly, 2m bridge, 12m cable drape	NA	NA	NA	NA	NA	NA

Table 7-2 OTS – 3m bridge

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
1	5849519	G4 OTS cable assembly, 3m bridge.	NA	NA	NA	NA	NA	NA
2	5160469-1	FeiTian HV cable-Anode	25M (82.02FT)	24.5M (80.38FT)	75KV	190×80×80	Cabinet to Tube	Shield
3	5160469-2	Fei Tian HV Cable-cathode	25M (82.02FT)	24.5M (80.38FT)	75KV	190×80×80	Cabinet to Tube	Shield

Table 7-2 OTS – 3m bridge (Table continued)

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
4	5146500-8	FeiTian OTS Ground Cable	20M (65.62FT)	19.5M (63.98FT)	75350V AC 500V DC	ϕ10 × 35	Cabinet to OTS Carriage	Non-shield
5	5829498	Angulation axis drive cable, G4 OTS	4.95M (16.24FT)	4.45M (14.6FT)	24V DC	52×72×16	Big control box to angulation axis	Shield
6	5829497	Cuckoo board dual axis interface cable	1.38M (4.53FT)	0.88M (2.89FT)	5V DC	50×55×15	Big control box to small control box	Shield
7	5829500	G4 OTS infrared receiver communication cable	26M (85.30FT)	25.5M (83.66FT)	350V AC 500V DC	41×32×15	Big control box to IR board	Shield
8	5842598	G4 OTS longitude ground cable	4.3M (14.1FT)	3.8M (12.47FT)	0V	30×11×5	Carriage to longitude axis	Non-shield
9	5826602	G4 OTS power cable，system power	20M (65.62FT)	19.5M (63.98FT)	110V AC/ 220V AC	86×27×20	Carriage to Tube	Non-shield
10	5837404	CAN MIS Cable, G4 OTS	23.5M (75.10FT)	23M (75.46FT)	12V DC	41×32×15	Cabinet to OTS big control box	Shield
11	5829510	Longitude axis drive cable, G4 OTS	4.5M (14.76FT)	4M (13.12FT)	24V DC	52×72×16	Small control box to longitude axis	Shield
12	5848159	G4 OTS Camera Ethernet Cable,	35M (114.8FT)	35M (114.8FT)	500V	27×11.8×7.1	Magic PC to OTS console	Shield
13	5829502	Collimator and UIF communication cable	5.93M (19.45FT)	5.43M (17.81FT)	24V DC	50×55×15	Big control box to UIF and Collimator	Shield
14	5826603	G4 OTS power cable, motor power	20M (65.62FT)	19.5M (63.98FT)	110V AC/ 220V AC	86×27×20	Cabinet to OTS Carriage	Non-shield
15	5826602	G4 OTS power cable，system power	20M (65.62FT)	19.5M (63.98FT)	110V AC/ 220V AC	86×27×20	Cabinet to OTS Carriage	Non-shield
16	5146500-9-ROHS	FeiTian Tube Stator,Fan and Pressure Switch Cable - ROHS compliant.	25M (82.02FT)	24.5M (80.38FT)	350V AC 500V DC	40×30×30	Cabinet to Tube	Shield
17	5842599	G4 OTS logic board ground cable	1.44M (4.72FT)	0.94M (3.08FT)	0V	23×10×5	Carriage to big control box	Non-shield

Table 7-2 OTS – 3m bridge (Table continued)

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
18	5849519-12	G4 OTS cable assembly, 3m bridge, 12m cable drape	NA	NA	NA	NA	NA	NA

7.2.2 Table Standard Length MIS Cable 5496118-2

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
1	5307318-4	Table Ion chamber MIS cable	16M(52.49FT)	15.5M(50.85FT)	350V AC 500V DC	45 x 20 x 45	Cabinet to Table	Shield
2	5336729-4	Table Power MIS cable	16M(52.49FT)	15.5M(50.85FT)	350V AC 500V DC	30 x 25 x 30	Cabinet to Table	Non-shield
3	5336730-4	Table DPS MIS cable	16M(52.49FT)	15.5M(50.85FT)	350V AC 500V DC	30 x 21 x 87	Cabinet to Table	Non-shield
4	5336731-4	Table Can MIS cable	16M(52.49FT)	15.5M(50.85FT)	350V AC 500V DC	35 x 20 x 45	Cabinet to Table	shield
5	5336736-4	Table Ground MIS cable	16M(52.49FT)	15.5M(50.85FT)	300V	ϕ10 X 35	Cabinet to Table	Non-shield
6	5336737-4	Table Emergency Stop MIS cable	16M(52.49FT)	15.5M(50.85FT)	350V AC 500V DC	35 x 20 x 45	Cabinet to Table	shield
7	5368672-4	Table Detector Ethernet MIS cable	30M(98.42FT)	29.5M(96.78FT)	350V AC 500V DC	20x12x40	Magic PC to Table	shield

7.2.3 Table Long Length MIS Cables 5496119-2

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
1	5307318-5	Table Ion chamber MIS cable	21M(68.90FT)	20.5M(67.26FT)	350V AC 500V DC	45 x 20 x 45	Cabinet to Table	Shield
2	5336729-5	Table Power MIS cable	21M(68.90FT)	20.5M(67.26FT)	350V AC 500V DC	30 x 25 x 30	Cabinet to Table	Non-shield
3	5336730-5	Table DPS MIS cable	21M(68.90FT)	20.5M(67.26FT)	350V AC 500V DC	30 x 21 x 87	Cabinet to Table	Non-shield
4	5336731-5	Table Can MIS cable	21M(68.90FT)	20.5M(67.26FT)	350V AC 500V DC	35 x 20 x 45	Cabinet to Table	shield

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
5	5336736-5	Table Ground MIS cable	21M(68.90FT)	20.5M(67.26FT)	300V	ϕ10 X 35	Cabinet to Table	Non-shield
6	5336737-5	Table Emergency Stop MIS cable	21M(68.90FT)	20.5M(67.26FT)	350V AC 500V DC	35 x 20 x 45	Cabinet to Table	shield
7	5368672-4	Table Detector Ethernet MIS cable	30M(98.42FT)	29.5M(96.78FT)	350V AC 500V DC	20x12x40	Magic PC to Table	shield

7.2.4 Wall Stand Standard Length MIS Cable 5862240

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
1	5336717-2	WS CAN Cable	15M(49.21FT)	14.5M(47.57FT)	350V AC 500V DC	35 x 20 x 45	CABINET TO WS	SHIELD
2	5336733-2	WS ION Chamber Cable	15M(49.21FT)	14.5M(47.57FT)	350V AC 500V DC	45 x 20 x 45	CABINET TO WS	NON-SHIELD
3	5336732-2	WS DPS Power Cable	15M(49.21FT)	14.5M(47.57FT)	350V AC 500V DC	30 x 21 x 87	CABINET TO WS	NON-SHIELD
4	5336722-2	WS Power Cable	15M(49.21FT)	14.5M(47.57FT)	350V AC 500V DC	30 x 21 x 87	CABINET TO WS	SHIELD
5	5336738-2	WS Ground Cable	15M(49.21FT)	14.5M(47.57FT)	300V	ϕ10 x 35	CABINET TO WS	NON-SHIELD
6	5368670	FT3 WS Net cable	30M(98.42FT)	29.5M(96.78FT)	300V	39 x 33x 16	MAGIC GbE Card TO WS	SHIELD

7.2.5 Wall Stand Long Length MIS Cable 5862239

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
1	5336717	WS CAN Cable	20M(65.62FT)	19.5M(63.98FT)	350V AC 500V DC	35 x 20 x 45	CABINET TO WS	SHIELD
2	5336733	WS ION Chamber Cable	20M(65.62FT)	19.5M(63.98FT)	350V AC 500V DC	45 x 20 x 45	CABINET TO WS	NON-SHIELD
3	5336732	WS DPS Power Cable	20M(65.62FT)	19.5M(63.98FT)	350V AC 500V DC	30 x 21 x 87	CABINET TO WS	NON-SHIELD
4	5336722	WS Power Cable	20M(65.62FT)	19.5M(63.98FT)	350V AC 500V DC	30 x 21 x 87	CABINET TO WS	SHIELD

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
5	5336738	WS Ground Cable	20M(65.62FT)	19.5M(63.98FT)	300V	ϕ10 x 35	CABINET TO WS	NON-SHIELD
6	5368670	FT3 WS Net cable	30M(98.42FT)	29.5M(96.78FT)	300V	39 x 33x 16	MAGIC GbE Card TO WS	SHIELD

7.2.6 AP

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm) L*W*D	Connection	Shielded
1	5772927	Wireless AP Power MIS Cable	20M (65.62FT)	19.5M (63.98FT)	300V	ϕ35 x 50	Cabinet to AP power	Non-shield
2	5772928	Wireless AP Ethernet MIS Cable	25M (82.02FT)	24.5M (80.38FT)	350V AC 500V DC	20 x 12 x 40	PC to AP	Shield
3	5851609	AP315 power cable	0.3M (0.98FT)	0.25M (0.82FT)	500V DC	20 x 12 x 40	AP power to AP	Non-shield

7.2.7 Control Room - Computer

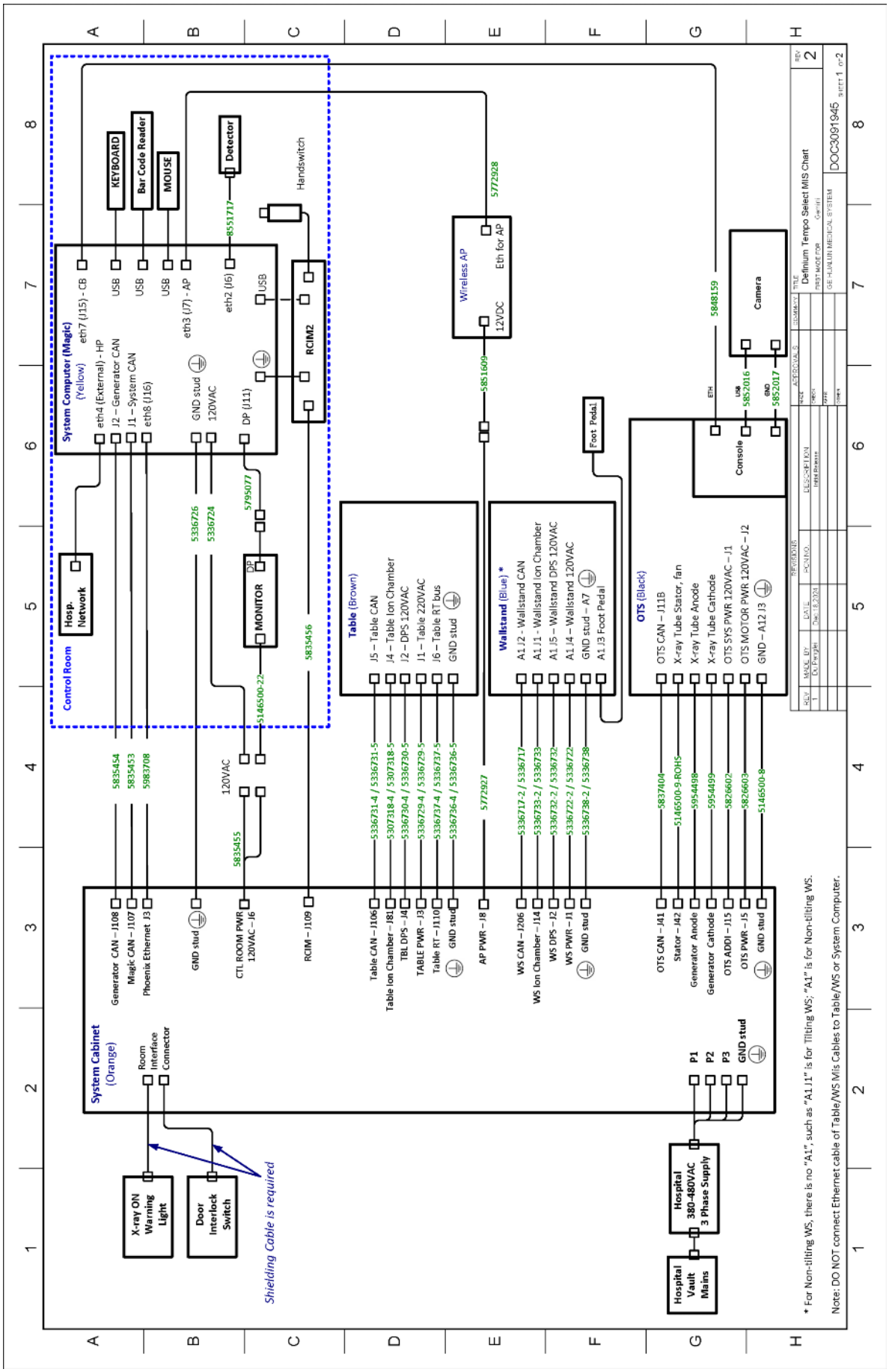
Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm)	Connection	Shielded
1	5146500-22	FeiTianImage Monitor Cable (Viewer Moni- tor)	3M(9.84FT)	2.8M(9.19FT)	350V AC 500V DC	35 x 42 x 60	Monitor to Cabinet	Non-shield
2	5835455	PC,Monitor Power Cable	20M(65.61FT)	19.5M(63.98FT)	350V AC 500V DC	35 x 40 x 60	Monitor to Cabinet	Non-shield
3	5835454	Jedi CAN, PC to Cabinet	20M(65.61FT)	19.5M(63.98FT)	350V AC 500V DC	35 x 20 x 45	Magic PC to Cabinet	Shield
4	5835453	SystemCAN, PC to Cabinet	20M(65.61FT)	19.5M(63.98FT)	350V AC 500V DC	35 x 20 x 45	Magic PC to Cabinet	Shield
5	5336726	Substitute 5146500-24for Rohscompli- ance, FeiTian Magic PC Ground Cable	20M(65.61FT)	19.5M(63.98FT)	300V	ϕ10 x 35	Magic PC to Cabinet	Non-shield

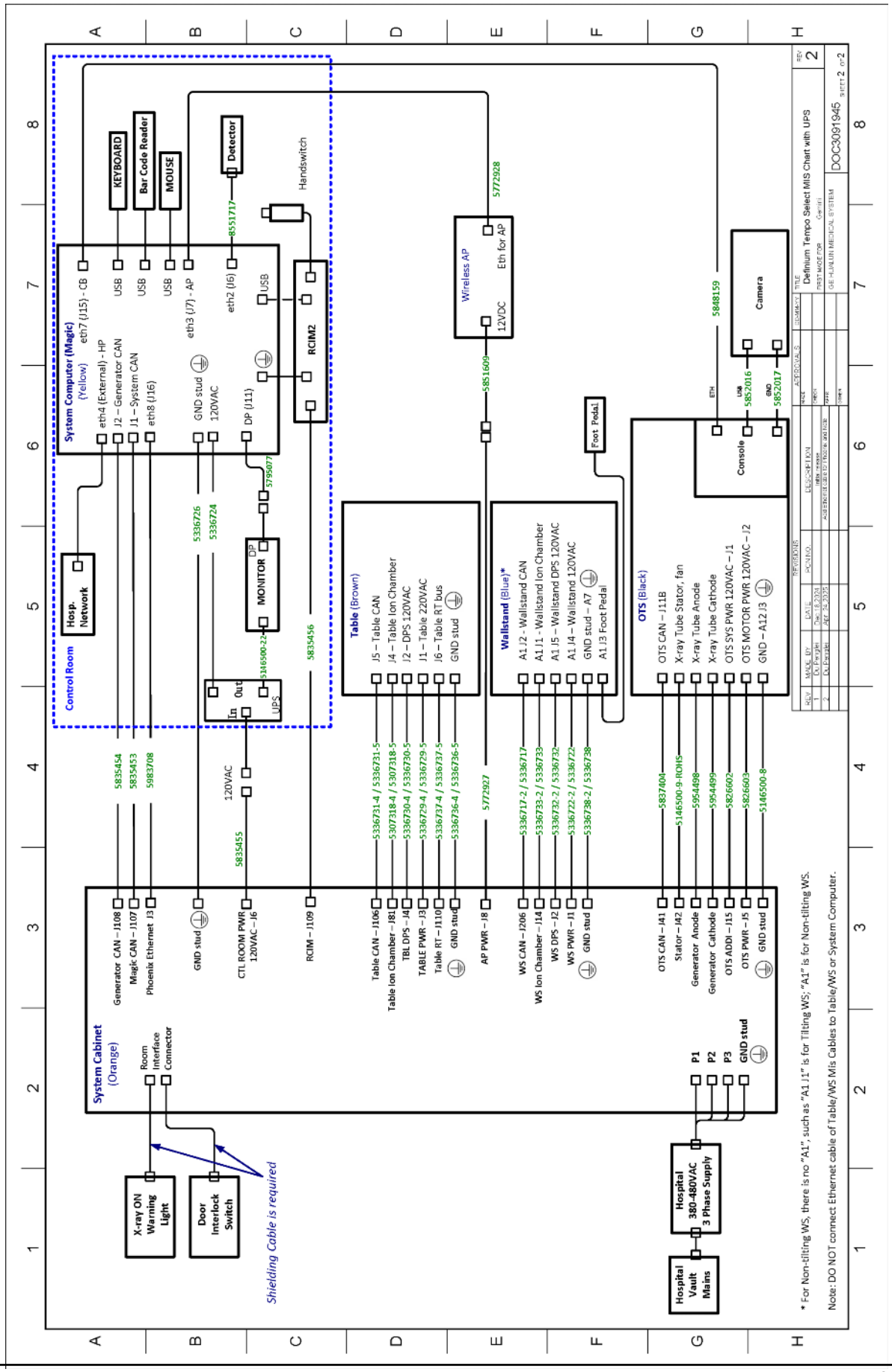
Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm)	Connection	Shielded
6	5336724	Substitute 5146500-21for Rohscompliance, FeiTian II Magic PC Power Cable	3M(9.84FT)	2.8M(9.19FT)	350V AC 500V DC	35 x 40 x 60	Magic PC to Cabinet	Non-shield

7.2.8 Control Room - RCIM II

Item	Part Number	Description	Length	Usable Length	Rating Voltage	Connector Size (mm)L*W*D	Connection	Shielded
1	5835456	RCIM,PC to Cabinet	20M(65.62FT)	19.5M(63.98FT)	350V AC 500V DC	45 x 20 x 45	RCIM2 to Cabinet	Shield

7.3 System Master Interconnect Schematic (MIS Map)


Control Room
System Computer (Magic)
(Yellow)
eth4 (External) - HP
J2 – Generator CAN
J1 – System CAN
eth8 (J16)
eth7 (J15) - CB
eth3 (J7) - AP
eth2 (J6)
GND stud
120VAC
DP (J11)
USB
KEYBOARD
Bar Code Reader
MOUSE
Detector
8551717
Handswitch
RCIM2
Hosp. Network
MONITOR
DP
5795077
5146500-22
5835456
5336726
5336724
Wireless AP
12VDC
Eth for AP
5772928
5851609
Table (Brown)
J5 – Table CAN
J4 – Table Ion Chamber
J2 – DPS 120VAC
J1 – Table 220VAC
J6 – Table RT bus
GND stud
Wallstand (Blue) *
A1 J2 - Wallstand CAN
A1 J1 - Wallstand Ion Chamber
A1 J5 – Wallstand DPS 120VAC
A1 J4 – Wallstand 120VAC
GND stud – A7
A1 J3 Foot Pedal
Foot Pedal
OTS (Black)
OTS CAN – J11B
X-ray Tube Stator, fan
X-ray Tube Anode
X-ray Tube Cathode
OTS SYS PWR 120VAC – J1
OTS MOTOR PWR 120VAC – J2
GND – A12 J3
5848159
Console
Camera
ETH
USB
5852016
GND
5852017
System Cabinet
(Orange)
Room Interface Connector
Generator CAN – J108
Magik CAN – J107
Phoenix Ethernet J3
GND stud
CTL ROOM PWR 120VAC – J6
RCIM – J109
Table CAN – J106
Table Ion Chamber – J81
TBL DPS – J4
TABLE PWR – J3
Table RT – J110
GND stud
AP PWR – J8
WS CAN – J206
WS Ion Chamber – J14
WS DPS – J2
WS PWR – J1
GND stud
OTS CAN – J41
Stator – J42
Generator Anode
Generator Cathode
OTS ADDI – J15
OTS PWR – J5
GND stud
P1
P2
P3
GND stud
5835454
5835453
5983708
5835455
120VAC
5336731-4 / 5336731-5
5307318-4 / 5307318-5
5336730-4 / 5336730-5
5336729-4 / 5336729-5
5336737-4 / 5336737-5
5336736-4 / 5336736-5
5772927
5336717-2 / 5336717
5336733-2 / 5336733
5336732-2 / 5336732
5336722-2 / 5336722
5336738-2 / 5336738
5837404
5146500-9-ROHS
5954498
5954499
5826602
5826603
5146500-8
X-ray ON Warning Light
Door Interlock Switch
Shielding Cable is required
Hospital 380-480VAC 3 Phase Supply
Hospital Vault Mains
* For Non-tilting WS, there is no "A1", such as "A1 J1" is for Tilting WS; "A1" is for Non-tilting WS.
Note: DO NOT connect Ethernet cable of Table/WS Mis Cables to Table/WS or System Computer.
REVISIONS
APPROVALS
TITLE
Definium Tempo Select MIS Chart
DOC3091945
SHEET 1 OF 2
REV 2


Control Room
System Computer (Magic)
(Yellow)
eth7 (J15) - CB
eth4 (External) - HP
J2 – Generator CAN
J1 – System CAN
eth8 (J16)
eth3 (J7) - AP
eth2 (J6)
GND stud
120VAC
DP (J11)
USB
KEYBOARD
Bar Code Reader
MOUSE
Detector
Handswitch
RCIM2
Hosp. Network
MONITOR
DP
In
Out
UPS
5336726
5336724
5795077
5346500-22
5835456
8551717
5772928
Wireless AP
12VDC
Eth for AP
5851609
5848159
Camera
Console
ETH
USB
GND
5852016
5852017
Foot Pedal
Table (Brown)
J5 – Table CAN
J4 – Table Ion Chamber
J2 – DPS 120VAC
J1 – Table 220VAC
J6 – Table RT bus
GND stud
Wallstand (Blue)*
A1 J2 - Wallstand CAN
A1 J1 - Wallstand Ion Chamber
A1 J5 – Wallstand DPS 120VAC
A1 J4 – Wallstand 120VAC
GND stud – A7
A1 J3 Foot Pedal
OTS (Black)
OTS CAN – J11B
X-ray Tube Stator, fan
X-ray Tube Anode
X-ray Tube Cathode
OTS SYS PWR 120VAC – J1
OTS MOTOR PWR 120VAC – J2
GND – A12 J3
5837404
5146500-9-ROHS
5954498
5954499
5826602
5826603
5146500-8
5772927
5336731-4 / 5336731-5
5307318-4 / 5307318-5
5336730-4 / 5336730-5
5336729-4 / 5336729-5
5336737-4 / 5336737-5
5336736-4 / 5336736-5
5336717-2 / 5336717
5336733-2 / 5336733
5336732-2 / 5336732
5336722-2 / 5336722
5336738-2 / 5336738
5835454
5835453
5983708
5835455
120VAC
System Cabinet
(Orange)
Room Interface Connector
Generator CAN – J108
Magic CAN – J107
Phoenix Ethernet J3
GND stud
CTL ROOM PWR 120VAC – J6
RCIM – J109
Table CAN – J106
Table Ion Chamber – J81
TBL DPS – J4
TABLE PWR – J3
Table RT – J110
GND stud
AP PWR – J8
WS CAN – J206
WS Ion Chamber – J14
WS DPS – J2
WS PWR – J1
GND stud
OTS CAN – J41
Stator – J42
Generator Anode
Generator Cathode
OTS ADDI – J15
OTS PWR – J5
GND stud
P1
P2
P3
GND stud
X-ray ON Warning Light
Door Interlock Switch
Shielding Cable is required
Hospital 380-480VAC 3 Phase Supply
Hospital Vault Mains
* For Non-tilting WS, there is no "A1", such as "A1 J1" is for Tilting WS; "A1" is for Non-tilting WS.
Note: DO NOT connect Ethernet cable of Table/WS MIS Cables to Table/WS or System Computer.
REVISIONS
MANUAL DATA
DOC30919945
Definium Tempo Select MIS Chart with UPS
GE HEALTHCARE

7.4 System Architecture

Figure 7-1 Definium Tempo Select System Scheme - Signal

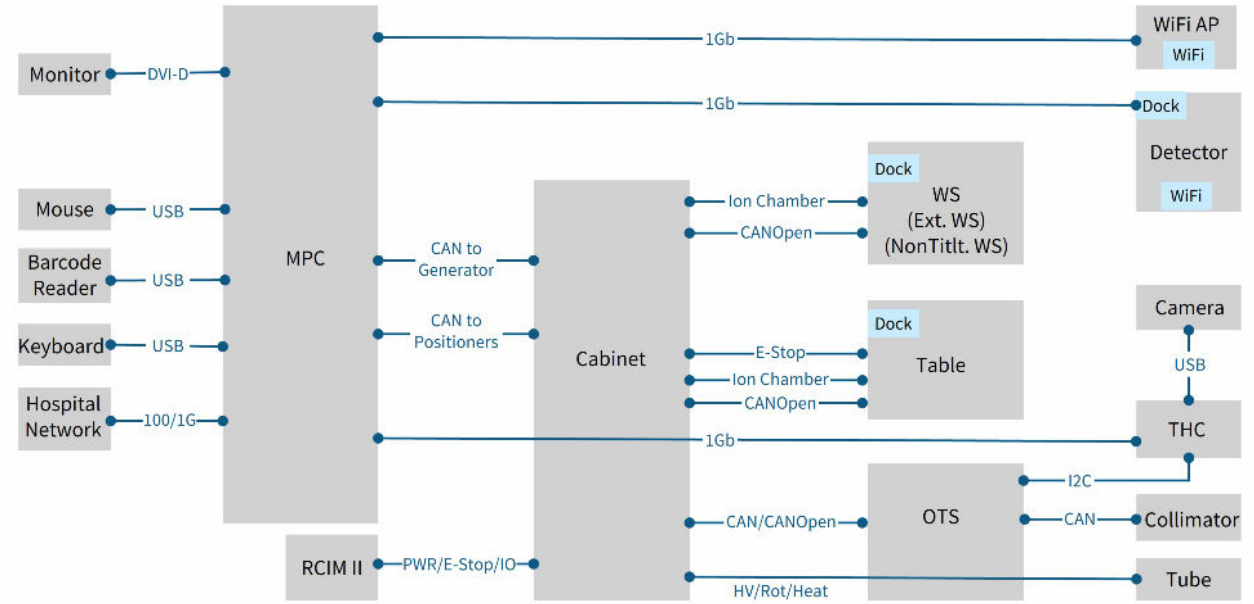
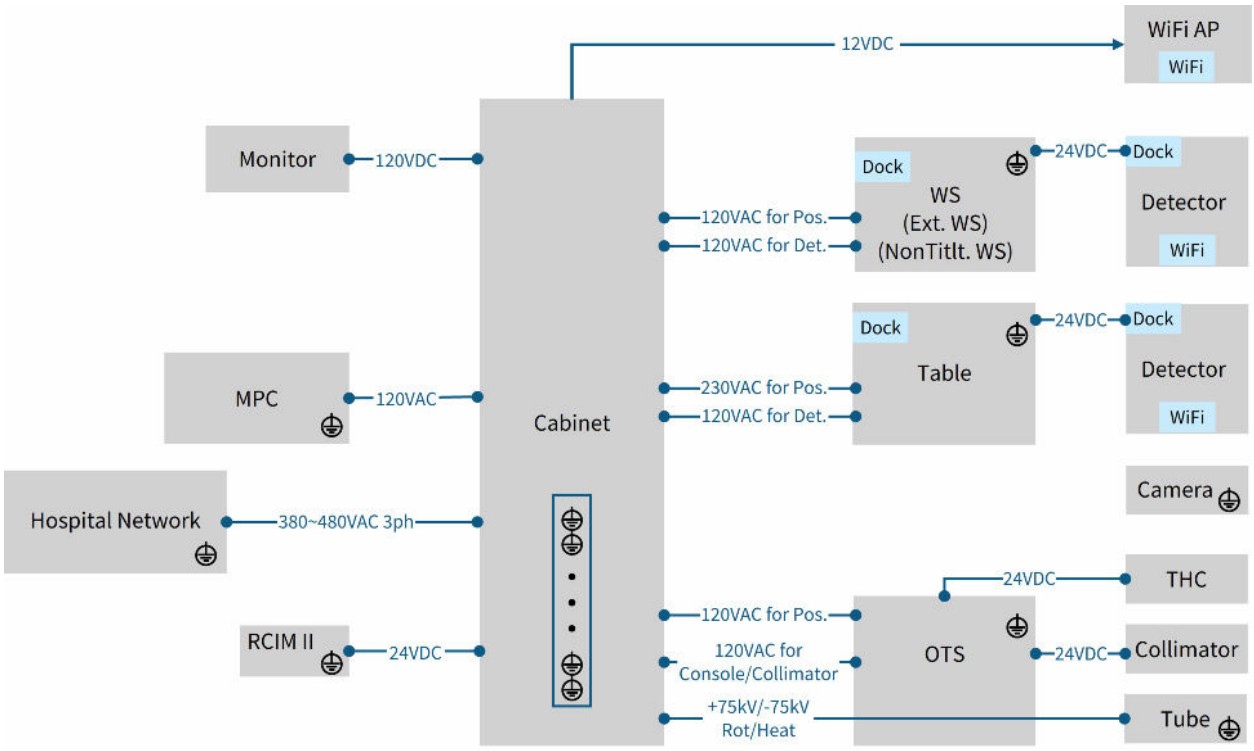


Figure 7-2 Definium Tempo Select System Scheme Power/Ground



means separated PE cable connected with Cabinet Grounding Stub

GE HealthCare

www.gehealthcare.com