The intended use for this Cut Sheet is to communicate the spatial requirements as well as the basic architectural, electrical, structural, and mechanical requirements for this piece of imaging equipment. The information provided in this document is for reference only, during the pre-planning stage, and therefore does not contain any site specific detailed requirements. This information is subject to change without notice. Federal, state and/or local requirements may impact the final placement of the components. It is the customer’s responsibility to ensure that the final layout and placement of the equipment complies with all applicable requirements.
BIOGRAPH TP 6 WITH AND WITHOUT PDU
TYPICAL ROOM PLAN

TYPICAL PLAN
SCALE: 1/8" = 1'-0"
# BIOGRAPH TP 6 WITH AND WITHOUT PDU SPECIFICATIONS

## EQUIPMENT LEGEND

<table>
<thead>
<tr>
<th>NO</th>
<th>DESCRIPTION</th>
<th>SMS SYM</th>
<th>WEIGHT (LBS)</th>
<th>BTU/HR TO AIR</th>
<th>DIMENSIONS (INCHES)</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>CONTROL CONSOLE W/KEYBOARD AND CONTROL BOX (OPTION)</td>
<td>☎️</td>
<td>91</td>
<td>–</td>
<td>25</td>
<td>31 1/2</td>
</tr>
<tr>
<td>2</td>
<td>19&quot; FLAT SCREEN CONTROL MONITOR ICS-SYNCO ACQUISITION WORKPLACE</td>
<td>☎️</td>
<td>20</td>
<td>273</td>
<td>8 1/4</td>
<td>16 9/16</td>
</tr>
<tr>
<td>3</td>
<td>IMAGE CONSTRUCTION SYSTEM ICS-SYNCO ACQUISITION WORKPLACE</td>
<td>☎️</td>
<td>66</td>
<td>1,707</td>
<td>8 1/2</td>
<td>20 1/2</td>
</tr>
<tr>
<td>4</td>
<td>IMAGE RECONSTRUCTION SYSTEM-SYNCO ACQUISITION WORKPLACE</td>
<td>☎️</td>
<td>66</td>
<td>1,707</td>
<td>8 1/2</td>
<td>20 1/2</td>
</tr>
<tr>
<td>5</td>
<td>UPS FOR ICS-SYNCO ACQUISITION WORKPLACE (VERTICAL)</td>
<td>☎️</td>
<td>82</td>
<td>512</td>
<td>24 1/2</td>
<td>19</td>
</tr>
<tr>
<td>6</td>
<td>PET ACQUISITION SYSTEM III</td>
<td>☎️</td>
<td>18</td>
<td>1,707</td>
<td>9 1/4</td>
<td>19</td>
</tr>
<tr>
<td>7</td>
<td>PET RECONSTRUCTION SYSTEM</td>
<td>☎️</td>
<td>18</td>
<td>1,707</td>
<td>9 1/4</td>
<td>19</td>
</tr>
<tr>
<td>8</td>
<td>UPS FOR ACS AND PRS</td>
<td>☎️</td>
<td>28</td>
<td>682</td>
<td>6 1/4</td>
<td>13 7/8</td>
</tr>
<tr>
<td>9</td>
<td>CT SWITCH BOX-SYNCO ACQUISITION WORKPLACE</td>
<td>☎️</td>
<td>3</td>
<td>–</td>
<td>12</td>
<td>12</td>
</tr>
<tr>
<td>10</td>
<td>KVM BOX (VIDEO SWITCH ACS, PRS AND RRS)</td>
<td>☎️</td>
<td>3</td>
<td>–</td>
<td>4 1/2</td>
<td>10 3/4</td>
</tr>
<tr>
<td>11</td>
<td>IMAGE EVALUATION KEYBOARD-BIOGRAPH ADVANCE WORKFLOW (OPTION)</td>
<td>☎️</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>12</td>
<td>19&quot; FLAT SCREEN CONTROL MONITOR IES-BIOGRAPH ADVANCE WORKFLOW (OPTION)</td>
<td>☎️</td>
<td>20</td>
<td>120</td>
<td>8 1/4</td>
<td>16 9/16</td>
</tr>
<tr>
<td>13</td>
<td>IMAGE EVALUATION SYSTEM-BIOGRAPH ADVANCE WORKFLOW (OPTION)</td>
<td>☎️</td>
<td>66</td>
<td>1,707</td>
<td>8 1/2</td>
<td>20 1/2</td>
</tr>
<tr>
<td>14</td>
<td>IES ETHERNET SWITCHBOX-BIOGRAPH ADVANCE WORKFLOW (OPTION)</td>
<td>☎️</td>
<td>3</td>
<td>–</td>
<td>9 1/8</td>
<td>2</td>
</tr>
<tr>
<td>15</td>
<td>CONTAINER &amp; CONTAINER TABLE FOR ICS (ICS) (OPTION)</td>
<td>☎️</td>
<td>24</td>
<td>N/A</td>
<td>25</td>
<td>31 1/2</td>
</tr>
<tr>
<td>16</td>
<td>CONTAINER &amp; CONTAINER TABLE FOR IES (IES) (OPTION)</td>
<td>☎️</td>
<td>24</td>
<td>N/A</td>
<td>25</td>
<td>31 1/2</td>
</tr>
<tr>
<td>17</td>
<td>BIOGRAPH TRUEPOINT 6</td>
<td>☎️</td>
<td>5,217</td>
<td>36,189</td>
<td>64</td>
<td>94</td>
</tr>
<tr>
<td>18</td>
<td>PATIENT TABLE</td>
<td>☎️</td>
<td>1,086</td>
<td>1,024</td>
<td>17</td>
<td>148 7/8</td>
</tr>
<tr>
<td>19</td>
<td>ISOLATION TRANSFORMER</td>
<td>☎️</td>
<td>150</td>
<td>1,200</td>
<td>8 1/2</td>
<td>16 1/4</td>
</tr>
<tr>
<td>20</td>
<td>POWER DISTRIBUTION UNIT</td>
<td>☎️</td>
<td>590</td>
<td>1,522</td>
<td>20 1/2</td>
<td>27 3/4</td>
</tr>
<tr>
<td>21</td>
<td>LINE CONNECTION BOX</td>
<td>☎️</td>
<td>227</td>
<td>1,366</td>
<td>11 3/8</td>
<td>29 1/2</td>
</tr>
<tr>
<td>22</td>
<td>CARE VISION MONITOR (OPTION)</td>
<td>☎️</td>
<td>131</td>
<td>239</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>23</td>
<td>I-CONTROL TROLLEY (OPTION)</td>
<td>☎️</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>24</td>
<td>MEDRAD DISPLAY CONTROL UNIT (OPTION)</td>
<td>☎️</td>
<td>8</td>
<td>–</td>
<td>12 1/2</td>
<td>9</td>
</tr>
<tr>
<td>25</td>
<td>MEDRAD BASE UNIT (OPTION)</td>
<td>☎️</td>
<td>14</td>
<td>–</td>
<td>11</td>
<td>8 3/4</td>
</tr>
<tr>
<td>26</td>
<td>CEILING MOUNTED MEDRAD INJECTOR (OPTION)</td>
<td>☎️</td>
<td>106</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>27</td>
<td>SYNCO MULTIMODALITY WORKSTATION (OPTION)</td>
<td>☎️</td>
<td>55</td>
<td>–</td>
<td>19 3/4</td>
<td>10</td>
</tr>
<tr>
<td>28</td>
<td>SYNCO MULTIMODALITY KEYBOARD AND MONITOR (OPTION)</td>
<td>☎️</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>

## REMOTE SYSTEM DIAGNOSTICS

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

## FOR MORE INFORMATION

FOR MORE DETAILED PLANNING REQUIREMENTS FOR THIS SYSTEM, SEE THE TYPICAL FINAL DRAINING SET NUMBER: TYPICAL #07140 OR #08011.
FINISHED ROOM HEIGHT

FOR GANTRY ONLY
MINIMUM 8'-0"  
CAREVISION MONITOR/CEILING MOUNT
MINIMUM 8'-10 1/4"  MAXIMUM 14'-9 3/16"

THE X-RAY WARNING LIGHT IS INCORPORATED INTO THE FRONT AND BACK COVER OF THE GANTRY.

IN THE EVENT AN OVERHEAD X-RAY WARNING IS REQUIRED ACCORDING TO LOCAL CODE, CONSIDERATION MUST BE GIVEN TO ALLOW FOR GANTRY TOP COVER REMOVAL AND REPLACEMENT.

CASEWORK & ACCESSORY NOTES

1) ALL CASEWORK IS EITHER EXISTING OR IS TO BE DESIGNED, DETAILED, FURNISHED AND INSTALLED BY THE CUSTOMER AND/OR CONTRACTOR. FOLLOW DESIGN RECOMMENDATIONS INCLUDED HEREWITHE AS THEY ARE ESSENTIAL FOR THE SUCCESSFUL INSTALLATION & OPERATION OF THE SIEMENS EQUIPMENT.

2) ALL FURNITURE (CHAIRS, ETC.) FOR THE CONTROL ROOM ARE TO BE PROVIDED BY THE CUSTOMER.

NOISE LEVEL

SYSTEM COMPONENT | DECIBEL LEVEL (AT 3'-3" DISTANCE)
--- | ---
PET/CT GANTRY | <68
PHS | <40
LINE CONNECTION BOX | <40
ISOLATION TRANSFORMER | <40

NOISE LEVEL

SYSTEM COMPONENT | DECIBEL LEVEL (AT 3'-3" DISTANCE)
--- | ---
PET/CT GANTRY | <68
PHS | <40
LINE CONNECTION BOX | <40
PDU | <50

POWER REQUIREMENTS

SYSTEM | SUPPLY VOLTAGE (VOLTS) | POWER CONSUMPTION (kW) | SUPPLY IMPEDANCE (mQ) | BREAKER (AMPS) "A"
--- | --- | --- | --- | ---
BIOGRAPH TRUEPOINT 6/16 | 3φ 480/277Y +10% | SEE BELOW | 320 | 80
PET | 1φ 230±10% | SEE BELOW | N/A | 20

POWER CONSUMPTION

COMPONENT | MAXIMUM IN OPERATION | STANDBY
--- | --- | ---
CT | 70 kVA | <=3 kVA
IMS (IRS, ICS AND MONITORS) | 0.50 kVA | 0.50 kVA
PET | 3.8 kVA | N/A
ACS AND PRS | 0.50 kVA | 0.50 kVA

IF AN ON-SITE TRANSFORMER IS REQUIRED TO OBTAIN BIOGRAPH TRUEPOINT 6 OR BIOGRAPH TRUEPOINT 16 OPERATING VOLTAGE, IT MUST BE OF SUFFICIENT CAPACITY AND CHARACTERISTICS TO MAINTAIN SUPPLY VOLTAGE AND IMPEDANCE REQUIREMENTS (TRANSFORMER AND CONDUCTORS).

DO NOT CONNECT ANY EXTERNAL UNITS TO THE BIOGRAPH TRUEPOINT 6 OR BIOGRAPH TRUEPOINT 16 POWER LINES.

THE EXAMINATION ROOM SHOULD BE EQUIPPED WITH AT LEAST ONE EMERGENCY POWER OFF (PANIC) BUTTON.
ENVIROMENTAL REQUIREMENTS

CLIMATE CONTROL MUST BE PROVIDED 24 HOURS A DAY, 7 DAYS A WEEK. TEMPERATURE SETBACKS ARE NOT ALLOWED. PLEASE SEE EQUIPMENT LEGEND FOR SITE SPECIFIC HEAT DISSIPATION.

SCANNER ROOM:
THE SCANNER ROOM SHOULD MAINTAIN BETWEEN 68°F–75°F (± 2.7°F/H.R.) WITH A RELATIVE HUMIDITY OF 15%–75%, NON-CONDENSING (RECOMMENDED RANGE IS 30%–70%), AIR PRESSURE SHOULD RANGE FROM 750–1060 MBAR.

CONTROL ROOM:
ALL THE EQUIPMENT IS DESIGNED TO OPERATE IN A NORMAL OFFICE ENVIRONMENT OF 72°F (±6°F) WITH A RELATIVE HUMIDITY OF 15%–75%, NON-CONDENSING (RECOMMENDED RANGE IS 30%–70%), AIR PRESSURE SHOULD RANGE FROM 750–1060 MBAR.

EQUIPMENT ROOM:
THE EQUIPMENT ROOM SHOULD MAINTAIN 70°F (±9°F), RELATIVE HUMIDITY 15%–75% WITHOUT CONDITIONING (RECOMMENDED RANGE IS 30%–70%).

EXTERIOR AIR VENTS SHOULD BE EQUIPPED WITH A FILTRATION SYSTEM OF THE FILTER CLASS EU3 TO EU4 TO FILTER DUST PARTICLES >10μm.

THE ROOM AIR SHOULD BE PROTECTED AGAINST CONTAMINATION BY HYDROGEN SULFIDE, EVEN IN SMALL AMOUNTS. THE MOST COMMON SOURCES FOR HYDROGEN SULFIDE ARE:

· EXHAUST FUMES AND WASTE WATER OF FILM PROCESSORS.
· EXPOSED SEWER DRAINAGE.
· NON SYMOND INCLUDED.
· SEWER PIPE OR IN FLOOR DRAIN.
· EXHAUST FUMES FROM DIESEL POWER UNITS.
· EMERGENCY POWER, ETC.

IF A DANGER OF SUCH CONTAMINATION EXITS, CORRECTIVE ACTIONS IS REQUIRED E.G.,

· EXTRACTOR FANS.
· SYMOND MODIFICATION OF VENTILATION INTAKE, ETC.

RADIATION SAFETY

LEAD OR EQUIVALENT SHIELDING MAY BE REQUIRED IN THE WALLS OF THE SCANNER ROOM, HOTLAB AND/OR PATIENT PREPARATION AREAS. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO VERIFY WITH THE SITE'S RADIATION SAFETY OFFICER THAT RADIATION DOSE RATES FROM THE PET PATIENT AND/OR ISOTOPE WILL NOT EXCEED LOCAL RADIATION SAFETY GUIDELINES IN THE ROOM ADJACENT TO SCANNER, HOTLAB, AND/OR PATIENT PREPARATION AREAS.

IMPROPER SHIELDING MAY AFFECT CAMERA’S PERFORMANCE.

RADIOACTIVE SOURCES

THE FOLLOWING RADIOACTIVE SOURCES ARE REQUIRED AT THE TIME OF DELIVERY FOR CALIBRATION:

Ge–68 (Germanium–68) Line Sources
Quantity of Two Line Sources
Ge–68 (Germanium–68) Cylindrical Phantoms

IT IS CUSTOMER’S RESPONSIBILITY TO OBTAIN THESE SOURCES.

SOURCE PROVIDERS WILL NOT SHIP SOURCES TO SITE WITHOUT A VALID RAM LICENSE.

RAM LICENSE

A VALID RAM LICENSE IS REQUIRED 4 WEEKS BEFORE SYSTEM DELIVERY.

SOURCE PROVIDERS WILL NOT SHIP THE SOURCES TO THE SITE WITHOUT A RAM LICENSE.

IT IS THE CUSTOMER’S RESPONSIBILITY TO WORK WITH THEIR RADIATION SAFETY OFFICER AND THE GOVERNMENT AGENCY TO SECURE THE RAM LICENSE.

RADIATION AND STORAGE CONSIDERATIONS

THE CT PRODUCES RADIATION WHILE PERFORMING CT SCANS. RADIATION CONCERNS FOR PET LIE IN THE USE OF RADIOACTIVE ISOTOPES FOR CLINICAL SCANNING OR SERVICE SCAN.

A STORAGE AREA MUST BE DESIGNATED FOR SOURCES UNTIL INSTALLATION TO LIMIT EXPOSURE.

ADDITIONAL RADIATION CONSIDERATIONS:

· STATIC MAGNETIC FIELD: B<100μT
· MAGNET FIELD VARIATION: ΔB <25μT
· BACKGROUND RADIATION: <15μSv/h (1μSv/h) 5′–5′ FROM CENTER OF FIELD OF VIEW.
BIOGRAPH TP 6 WITH AND WITHOUT PDU SPECIFICATIONS

RADIATION SCATTER

<table>
<thead>
<tr>
<th>METERS</th>
<th>1.50</th>
<th>1.00</th>
<th>0.50</th>
<th>0.00</th>
<th>-0.50</th>
<th>-1.00</th>
<th>-1.50</th>
<th>-2.00</th>
<th>-2.50</th>
<th>-3.00</th>
<th>-3.50</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0.019 0.027 0.035 0.041 0.037 0.030 0.021</td>
<td>0.011 0.042 0.070 0.088 0.077 0.053 0.013</td>
<td>0.002 0.08 0.154 0.324 0.214 0.08 0.002</td>
<td>0.002</td>
<td>0.009 0.042 0.160 0.310 0.160 0.054 0.011</td>
<td>0.012 0.026 0.041 0.065 0.080 0.053 0.041 0.026</td>
<td>0.019 0.024 0.030 0.040 0.031 0.024 0.020</td>
<td>0.014 0.015 0.018 0.019 0.018 0.016 0.014</td>
<td>0.009 0.011 0.011 0.011 0.011 0.011 0.010</td>
<td>0.007 0.008 0.008 0.008 0.008 0.008 0.007</td>
<td>N/A N/A N/A N/A N/A N/A N/A</td>
</tr>
</tbody>
</table>

BIOGRAH TRUEPOINT 6
HORIZONTAL LOCAL DOSE DISTRIBUTION
MEASUREMENT IN $\mu$Gy/1 mA turno SCALE 1/4"=1"-0"

SCANNING WAS PERFORMED USING A MAXIMUM SLICE THICKNESS
OF 6 x 3 mm LARGE AT 130 KV THROUGH THE SYSTEM AXIS
IN THE HORIZONTAL PLANE. PHANTOM USED: CYLINDRICAL PMMA
PHANTOM, 32 cm IN DIAMETER, 16 CM LONG. THE PHANTOM
WAS CENTERED IN THE TOMOGRAPHIC PLANE.

MAXIMUM DISTANCES

THE MAXIMUM DISTANCE BETWEEN COMPONENTS IS CALCULATED
AS THE DISTANCE FROM CABLE OUTLET TO CABLE OUTLET.
VARIOUS ARRANGEMENTS OF COMPONENTS ARE POSSIBLE AS
LONG AS THE DISTANCES SHOWN BELOW ARE NOT EXCEEDED
AND THE REQUIRED MINIMUM SAFETY DISTANCES ARE MAINTAINED.

1) TOTAL CABLE LENGTH IS MADE UP OF THE LENGTH OF
FREE CABLE BETWEEN THE COMPONENTS AND THE LENGTH
OF CABLE REQUIRED WITHIN/FOR THE COMPONENTS.
2) MEASUREMENT DATA ARE BASED ON THE LENGTHS OF
CABLE AVAILABLE BETWEEN THE INDIVIDUAL COMPONENTS
FLOOR INLETS.
3) FOR THE OPERATOR'S CONSOLE, ALL EQUIPMENT MUST BE
CO-LOCATED WITHIN 118 INCHES OF EACH OTHER.
MAXIMUM DISTANCES

THE MAXIMUM DISTANCE BETWEEN COMPONENTS IS CALCULATED AS THE DISTANCE FROM CABLE OUTLET TO CABLE OUTLET. VARIOUS ARRANGEMENTS OF COMPONENTS ARE POSSIBLE AS LONG AS THE DISTANCES SHOWN BELOW ARE NOT EXCEEDED AND THE REQUIRED MINIMUM SAFETY DISTANCES ARE MAINTAINED.

FLOOR REQUIREMENTS

THE ENGINEER OF RECORD OF THE BUILDING SHALL PROVIDE SUPPORT STRUCTURE DESIGNED TO SUPPORT ALL WEIGHTS AND FORCES. THE ENGINEER OF RECORD FOR THE BUILDING AND SIEMENS ENGINEERING SHALL JOINTLY REVIEW DEVIATIONS FROM THE FOLLOWING REQUIREMENTS.

1) THE MINIMUM ALLOWABLE CONCRETE THICKNESS FOR NONSEISMIC REGIONS OF THE SCANNER ROOM FLOOR IS 4.5".
2) THE VARIATION IN FLOOR LEVELNESS IN THE PHS AND PET/CT GANTRY AREAS SHOULD NOT EXCEED .5 INCHES OVER 10 FT.
3) RECOMMENDED COMPRESSIVE STRENGTH OF CONCRETE IS 4000 PSI.
4) COMPRESSIVE MODULUS OF ELASTICITY OF CONCRETE SHALL BE GREATER THAN 3,000,000 PSI.
5) FLEXURAL MODULUS OF ELASTICITY OF CONCRETE SHALL BE GREATER THAN 3,000,000 PSI.
6) CONCRETE MUST BE CURED AT LEAST 28 DAYS PRIOR TO MACHINE INSTALLATION.
7) THE INSTALLATION OF THE PET/CT ON AN UPPER LEVEL FLOOR IN A SEISMIC REGION OF THE COUNTRY REQUIRES THE INSTALLATION OF A MACHINE BASE GROUT PLATE BETWEEN THE PHS AND THE FLOOR TO ACCOMMODATE "THROUGH-BOLTING" OR METAL EXPANSION ANCHORS. THE GROUT PLATE IS BOLTED THROUGH THE FLOOR AND IS AVAILABLE THROUGH SIEMENS ENGINEERING.
8) ALLOWABLE TENSION LOAD CAPABILITY FOR EMBEDDED CONCRETE ANCHORS SHALL BE GREATER THAN 1000 LB.
9) ANCHOR EMBEDMENT DEPTH AND CONCRETE THICKNESS SHALL COMPLY WITH ICBO GUIDELINES FOR THE ANCHOR.
10) THE MACHINE SHALL BE FASTENED TO THE FLOOR AND/OR GROUT PLATE WITH GRAD 5, 1/2"-13 UNC-2A THREADED FASTENERS AS SUPPLIED BY SIEMENS.
11) A VINYL FLOOR COVERING WITH A MINIMUM STATIC LOAD LIMIT RATING OF 750 PSI IS RECOMMENDED UNDER THE MACHINE AREA. AVOID SOFT FLOOR COVERINGS UNDER THE MACHINE MOUNTING AREA. SOFT FLOOR COVERINGS ARE SUBJECT TO GRADUAL MOVEMENT (CREEP).
NORMAL TRANSPORT REQUIREMENTS:
DURING THE MOVEMENT OF THE GANTRY THROUGH CORRIDORS THE CT TRANSPORT CASTERS ARE SWIVELED OUT FOR STABILITY. THE MAXIMUM WIDTH IS 4'-4" WHEN CT CASTERS ARE SWIVELED OUT. WHEN TRANSPORTING THE GANTRY THROUGH A NARROW SPACE OR DOORWAY, THE TRANSPORT CASTERS ARE SWIVELED IN AS SHOWN BELOW FOR THE PET TRANSPORTATION. HOWEVER THE MINIMUM WIDTH OF THE DOOR MUST BE 3'-4" AS SHOWN BELOW TO ACCOMODATE THE PET GANTRY.

<table>
<thead>
<tr>
<th></th>
<th>CT</th>
<th>PET</th>
</tr>
</thead>
<tbody>
<tr>
<td>GANTRY WEIGHT</td>
<td>2,785 POUNDS</td>
<td>2,710 POUNDS</td>
</tr>
<tr>
<td>TRANSPORT DEVICE</td>
<td>258 POUNDS</td>
<td>(2) 216 POUNDS</td>
</tr>
<tr>
<td>TOTAL TRANSPORT WEIGHT</td>
<td>3,023 POUNDS</td>
<td>3,142 POUNDS</td>
</tr>
</tbody>
</table>

THE TWO ILLUSTRATIONS SHOW THE RELATIONSHIP BETWEEN THE MINIMUM DOOR WIDTH, MINIMUM CORRIDOR WIDTH AND WHAT IS REQUIRED TO MOVE THE GANTRY AROUND CORNERS.