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.
LUMINOS dRF / dRF MAX (90/90-45) SYSTEM
TYPICAL ROOM PLAN

TYPICAL PLAN

SCALE: 1/8" = 1'-0"
## LUMINOS dRF / dRF MAX (90/90-45) SYSTEM 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 (GENERATOR &amp; REMOTE CONTROL)</td>
<td>☐</td>
<td>10</td>
<td>34</td>
<td>19 1/2</td>
<td>13 3/4 3 7/8</td>
</tr>
<tr>
<td>2</td>
<td>FLUOROSPOT COMPACT — KEYBOARD AND MOUSE</td>
<td>☐</td>
<td>-</td>
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<td>-</td>
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</tr>
<tr>
<td>3</td>
<td>B/W FLAT SCREEN CONTROL ROOM MONITOR</td>
<td>☐</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>4</td>
<td>FLUOROSPOT-COMPACT CONTAINER (UNDER COUNTER)</td>
<td>☐</td>
<td>110</td>
<td>1,468</td>
<td>17 3/8*</td>
<td>32 1/2* 27*</td>
</tr>
<tr>
<td>5</td>
<td>POLYDOROS FBO (90 kW) GENERATOR CABINET</td>
<td>☐</td>
<td>838</td>
<td>2,048**</td>
<td>31 1/2</td>
<td>17 1/8 86 3/4 **</td>
</tr>
<tr>
<td>6</td>
<td>LUMINOS dRF (+90/90) REMOTE TABLE</td>
<td>☐</td>
<td>2,911</td>
<td>2,730</td>
<td>83</td>
<td>75 107***</td>
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<tr>
<td>7</td>
<td>18&quot; FLAT DISPLAY ON CART</td>
<td>☐</td>
<td>187</td>
<td>256</td>
<td>33 1/4</td>
<td>28 3/8 60</td>
</tr>
<tr>
<td>8</td>
<td>YSIO WALL STAND WITH MOBILE DETECTOR (LEFT LOADING)</td>
<td>☐</td>
<td>551</td>
<td>819</td>
<td>30</td>
<td>37*/A 83</td>
</tr>
<tr>
<td>9</td>
<td>(* ) DOCKING STATION (WALL MOUNTED)</td>
<td>☐</td>
<td>40</td>
<td>256</td>
<td>20 3/8</td>
<td>7 13/16 16 1/4 WITHIN 11.5 FT. OF WALL STAND</td>
</tr>
<tr>
<td>10</td>
<td>4.25M RAILS FOR FULLY SYNCHRONIZED TUBE STAND</td>
<td>☐</td>
<td>59</td>
<td>-</td>
<td>163 3/8</td>
<td>3 3 1/2 SIZE AND WEIGHT PER RAIL</td>
</tr>
<tr>
<td>11</td>
<td>3M TRANSVERSE BRIDGE AND X-RAY TUBE STAND</td>
<td>☐</td>
<td>772</td>
<td>853</td>
<td>119 1/4</td>
<td>39 */A</td>
</tr>
<tr>
<td>12</td>
<td>GRID HOLDER (WALL MOUNTED)</td>
<td>☐</td>
<td>22</td>
<td>-</td>
<td>21 11/16</td>
<td>4 16 9/16 SUGGESTED LOCATION</td>
</tr>
<tr>
<td>13</td>
<td>(MAX) DIV INTERFACE FOR EXAM ROOM DISPLAY (OPTION)</td>
<td>☐</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>14</td>
<td>(MAX) CHARGING STATION FOR MAX DETECTORS (OPTION)</td>
<td>☐</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>15</td>
<td>(MAX) ACCESS POINT (TOP OF GENERATOR)</td>
<td>☐</td>
<td>4</td>
<td>-</td>
<td>8</td>
<td>5.5*/A 3*B</td>
</tr>
<tr>
<td></td>
<td>(* ) - THIS ITEM IS ELIMINATED FOR ALL MAX SYSTEMS (MAX) - ITEM ADDED FOR MAX SYSTEMS ONLY</td>
<td>☐</td>
<td>-</td>
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</tbody>
</table>

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### Ceiling Height Requirements

**System Configuration**
- **Table Only**: 8’-3” to 10’-6”
- **Ceiling Stand + Table +/- Wall Stand**: 8’-9” to 9’-3”
- **Ceiling Stand + Table +/- Wall Stand (+Tube Ext.)**: 9’-4” to 10’-2”

**Table X-Ray Tube to Integrated Table Bucky (0 deg. Pos.) Using Lowest Possible Table Top Height**: 45” SID 60” SID 8’-3”

**LUMINOS dRF Technical Data**

- **Environment**: 59°F - 95°F Operating Room Temperature, 20% - 75% Permissible Relative Air Humidity (Non-Condensing)
- **Transporting/Rigging**: Largest Crate: 97”L X 60”W X 56”H, Minimum Elevator Size: 117”L X 34”W X 60”H, Heaviest Single Piece: 2,448 lbs. with Packing, 1,874 lbs. without Packing, Minimum Door Opening (For Table): 48” Wide with minimum 6” - 11” Corridor Width, Also, 34” Wide opening with minimum 9” - 7” Corridor Width.
- **Largest Piece (Table Transport Cargage)**: 115”L X 33”W X 57”H (Wheels Outside), 106”L X 33”W X 57”H (2-Wheels Inside), 94”L X 33”W X 57”H (All Wheels Inside)

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**Minimum Ceiling Height Without Restriction**: 10’-7”
**Recommended Ceiling Height**: 9’-5”

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1. With 8”-3” W/H, Ceiling HT. +/- 90 Deg. Vertical Table Top Travel, Is 13”.
POLYDOROS F80 80kW

X-RAY GENERATOR POWER REQUIREMENTS

INCOMING POWER: 480 VOLTS, 3 PHASE, 60Hz
CIRCUIT BREAKER: 80 AMPS.
GENERATOR OUTPUT: 80 kW
ALLOWABLE IMPEDANCE: ≤ 0.16 Ω
MAXIMUM MOMENTARY LOAD: 126 kVA
LINE VOLTAGE VARIATION: ± 10% MAX.
PHASE IMBALANCE: ± 2%
FREQUENCY VARIATION: ± 1 Hz

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

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

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

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

SYSTEM TECHNICAL DATA

<table>
<thead>
<tr>
<th>TRANSPORTING INFORMATION</th>
<th>SIZE</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>TRANVERSE BRIDGE</td>
<td>3 M</td>
<td>126”L x 32”W x 10”H 419#</td>
</tr>
<tr>
<td></td>
<td>4 M</td>
<td>174”L x 32”W x 10”H 512#</td>
</tr>
<tr>
<td>LONGITUDINAL RAILS</td>
<td>4 M</td>
<td>167”L x 3”W x 4”H 59# EACH</td>
</tr>
<tr>
<td></td>
<td>5 M</td>
<td>197”L x 3”W x 4”H 82# EACH</td>
</tr>
<tr>
<td>DCs—1/2</td>
<td>4 M</td>
<td>167”L x 3”W x 3”H 441#</td>
</tr>
</tbody>
</table>

X-RAY TUBE STAND
(FULLY SYNCHRONIZED)
67”L x 41”W x 53”H 827#

WALL STAND WITH MOBILE DETECTOR
(WITH PACKING)
35”L x 93”W x 41”H 898#

MINIMUM DOOR OPENING:
3”–5 3/8”

MINIMUM CORRIDOR WIDTH:
6”–11”

ENVIRONMENTAL CONDITIONS

PERMISSIBLE AMBIENT TEMPERATURE
(WITH WIRELESS DETECTOR)
59°F TO 82°F –4°F TO 131°F

PERMISSIBLE RELATIVE
HUMIDITY
20% TO 75% 5% TO 95% REV I

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 DRAWING SET NUMBER: 08015
### MAXIMUM CABLE DISTANCES BETWEEN COMPONENTS

<table>
<thead>
<tr>
<th></th>
<th>Control Consoles</th>
<th>Fluoroscopy Compact</th>
<th>Generator</th>
<th>Luminos dRF Table</th>
<th>Mobile Flat Display Cart</th>
<th>Ceiling Tube Stand</th>
<th>Detector Wall Stand</th>
<th>Docking Station</th>
</tr>
</thead>
<tbody>
<tr>
<td>Generator</td>
<td>-</td>
<td>59' -0&quot;</td>
<td>22' -0&quot;</td>
<td>-</td>
<td>32' -0&quot;</td>
<td>36' -0&quot;</td>
<td>52' -6&quot; (Note 1)</td>
<td>36' -0&quot;</td>
</tr>
<tr>
<td>Fluoroscopy Compact</td>
<td>11' -0&quot;</td>
<td>-</td>
<td>59' -0&quot;</td>
<td>32' -0&quot;</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Luminos dRF Table</td>
<td>59' -0&quot;</td>
<td>-</td>
<td>22' -0&quot;</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
</tbody>
</table>

**Note 1** — Max system option: 16 meter cable extension must be selected.

The distances listed above are calculated as the maximum cable length between cable entry points. Depending on the component, the cable entry point may be in floor, wall or ceiling. Various arrangements of components are possible as long as the distances shown are maintained and the system functionality is not adversely affected.