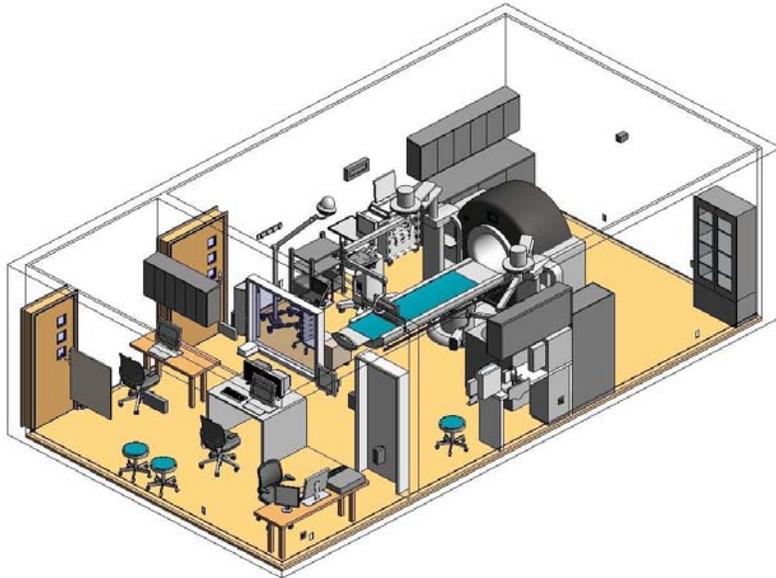


# BIM Hospital Project Delivery

Healthcare Modeling Data Base

Samsung C & T



Targeting six fundamental areas; *Design, Process, Relations, Database, Server and Room*; the BIM Project Delivery System ensures that BIM is properly implemented and managed on Healthcare projects. The intent of the BIM Delivery System is to develop an Integrated means by which Design Teams, Contractors and End Users can extract the most value out of BIM throughout the entire project lifecycle starting with Design, continuing through Pre-Construction and Construction, and ending with Facility Management.

As Healthcare facilities are largely design intensive, there is higher risk for costly errors. For this reason, the BIM Project Delivery System's primary objective is the preparation of "Complete, Coordinated and Constructible" documents prior to construction. The BIM Database is a repository for the ever growing BIM "building blocks" that Designers and Contractors rely on throughout the project lifecycle. Each building block is programmed with valuable information enabling Quantity Take-Offs, Equipment Listings and Fabrication directly from the model.

Specific to the Healthcare field, the database of medical related information and FF&E building blocks makes it easy to track design and operations on a room by room basis. As the design progresses from the conceptual phase to CD's, generic equipment is upgraded to manufacturer specific. At any time, the BIM model can inform which rooms have been finalized and which rooms are still incomplete.

Hospital Room Data Schedules are generated from the BIM model. From this information, the hospital room design may be altered in two ways. The first is by a change to the model by a designer. If a piece of medical equipment is added, the FF&E list name and quantities on the Room Data Schedule automatically update. The second is to change the model from the spreadsheet list. In this case, fields such as equipment and finish types as well as any non-quantity modifications can be made directly from a dropdown list that appears when an attempt is made to make a change on a spreadsheet. Once a change is made to the spreadsheet, this change is propagated back into the BIM model.



**3D View - CT Room, (0204) with Control (CRCT)**

**FLOOR PLAN - CT Room, (0204) with Control (CRCT)**

Category	Item	Quantity	Manufacturer	Notes
EQUIPMENT	CT Scanner	1	GE	Model: Discovery CT7500 HD
	Control Console	1	GE	Model: CT Console
	Workstation	2	HP	Model: EliteDesk
	Chair	2	Steelcase	Model: Leap
	Table	1	Steelcase	Model: Summit
	Lighting	1	Philips	Model: Radcal
	Storage Cabinet	1	Steelcase	Model: Legend
	Reception Counter	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
FURNITURE	Reception Counter	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend

**IMAGING - RADIOLOGY**

**CT ROOM (0204) WITH CONTROL (CRCT)**

**IN PROGRESS**

**3D View - Procedure Room, (0204) with Control (CRCT)**

**FLOOR PLAN - Procedure Room, (0204) with Control (CRCT)**

Category	Item	Quantity	Manufacturer	Notes
EQUIPMENT	Procedure Table	1	Steelcase	Model: Summit
	Control Console	1	GE	Model: CT Console
	Workstation	2	HP	Model: EliteDesk
	Chair	2	Steelcase	Model: Leap
	Table	1	Steelcase	Model: Summit
	Lighting	1	Philips	Model: Radcal
	Storage Cabinet	1	Steelcase	Model: Legend
	Reception Counter	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
FURNITURE	Reception Counter	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend
	Medical Cabinet	1	Steelcase	Model: Legend

**IMAGING - RADIOLOGY**

**PROCEDURE ROOM WITH CONTROL (CRCT)**

**IN PROGRESS**

**KEY NOTES**

**GENERAL NOTES**

- Not all equipment & accessories are shown for clarity
- Consult equipment manufacturer for technical information
- Review shielding with physicist
- Verify all clearances with vendor

**A&E CONSULTANT ADVISORY**

- All information shown on drawing is necessary to meet operational and functional intent
- Architects and engineers of record are responsible for the following:
  - Compliance with all applicable codes and regulations and confirmation of project specific requirements
  - Coordination between all disciplines as well as existing and new conditions and infrastructure
  - Coordination of all furniture, fixtures, and equipment

**NOTE**

- Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific.

No.	Description	Date
1	First 30 Rooms	Jan. 4, 2012

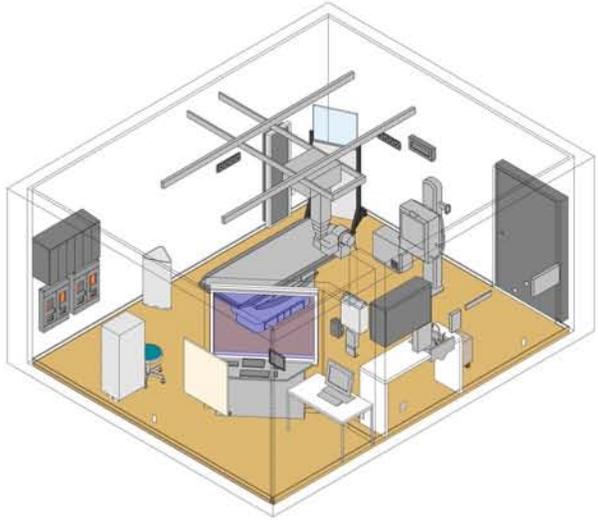
Dept  
**IMAGING - RADIOLOGY**

Title  
**IMAGING, GENERAL(IGENL) AND CONTROL ROOM RADIOGRAPHIC(CRRAD)**

Project number \_\_\_\_\_ Project Number \_\_\_\_\_  
 Date \_\_\_\_\_ Issue Date \_\_\_\_\_  
 Drawn by \_\_\_\_\_ Author \_\_\_\_\_  
 Checked by \_\_\_\_\_ Checker \_\_\_\_\_

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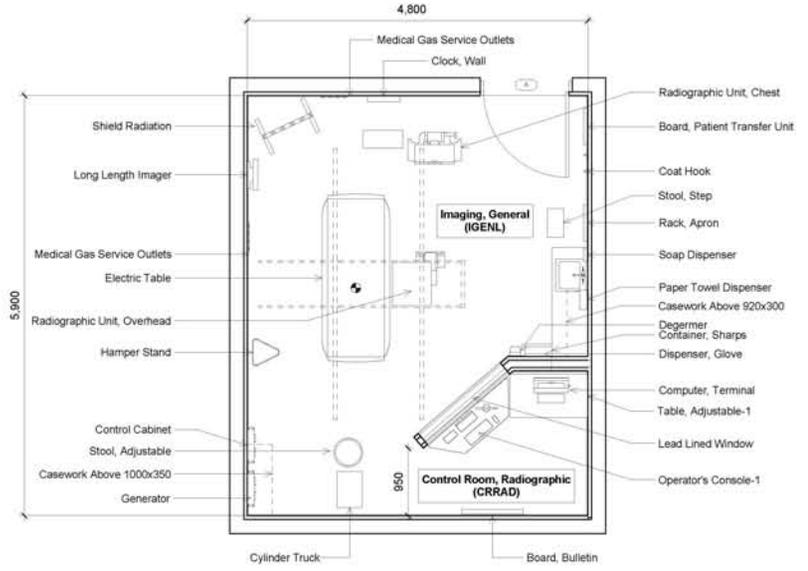
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**2 3D View - Imaging, General(IGENL) and Control Room Radiographic(CRRAD)**  
 No Scale

FF&E Category	Family	Count	ERP Code
Special Equipment	Radiographic Unit, Overhead	1	
Special Equipment	Electric Table	1	
Special Equipment	Long Length Imager	1	3636-020
Special Equipment	Medical Gas Service Outlets	2	
Special Equipment	Radiographic Unit, Chest	1	
Special Equipment	Shield Radiation	1	
Furnishings	Casework Above 920x300	1	
Furnishings	Casework Above 1000x350	1	
Furnishings	Stool, Adjustable	1	
Furnishings	Stool, Step	1	
Fixture	Board, Bulletin	1	
Fixture	Board, Patient Transfer Unit	1	
Fixture	Clock, Wall	1	
Fixture	Container, Sharps	1	
Fixture	Degremer	1	
Fixture	Dispenser, Olove	1	
Fixture	Paper Towel Dispenser	1	
Fixture	Rack, Apron	1	
Fixture	Soap Dispenser	1	
Equipment	Computer, Terminal	1	
Equipment	Cylinder Truck	1	
Equipment	Operator's Console-1	1	
Grand total: 24			

Other Room Conditions - Requirements									
Pressure	Temp Range	Relative H.	Min. Total Air Change/Hr	Min. Air Change Outdoor/Hr	Air Exhausted Directly to Outside	Air Recirculated	Min. Filtration Efficiency	AntiStatic Floor	Shielding
Negative	21-24	30-60	8	NA	No		04-F8	NA	LEAD



**1 Floor Plan - Imaging, General(IGENL) and Control Room Radiographic(CRRAD)**  
 1 : 25

FINISH SCHEDULE										
Room Number	Room Name	Area	Required Area	Area Difference	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments
18	Control Room, Radiographic	4 m²	0 m²	0 m²	Resilient Sheet Flooring (Chemically Waxed Seams)	Resilient Sheet Flooring (Chemically Waxed Seams)	GYPBDO-Review (Shielding with Physical)	Acoustic Tile	3,000	
18	Imaging, General	24 m²	0 m²	0 m²	Resilient Sheet Flooring (Chemically Waxed Seams)	Resilient Sheet Flooring (Chemically Waxed Seams)	GYPBDO-Review (Shielding with Physical)	Acoustic Tile	3,000	

DOOR SCHEDULE (BASIC)															
OPENING NUMBER	ROOM ID	ROOM NAME	DOOR TYPE	DOOR CONSTRUCTION TYPE	DOOR GLASS TYPE	DOOR WIDTH 1	DOOR WIDTH 2	DOOR HEIGHT	FRAME CONSTRUCTION TYPE	FRAME CONSTRUCTION MATERIAL	FRAME GLASS TYPE	FRAME FINISH	HARDWARE GROUP	TYPE REMARKS	COMMENTS
Floor Plan - Imaging, General(IGENL) and Control Room Radiographic(CRRAD)															
A	18	Imaging, General	E			1,200		2,040							

Equipment Electrical Requirements									
Equipment	Manufacturer	10k VA							
Medical Gas									

Utilities								
Hot Water	Cold Water	Treated Water	Vent	Steam	Gases	Drain	Vacuum	Data
x	x				Medical Air, Oxygen	x	x	x



**KEY NOTES**

- GENERAL NOTES**
- Not all equipment and accessories are shown for clarity
  - Consult equipment manufacturer planning drawings for technical information
  - Review shielding requirements with physicist
  - Verify all required clearances with equipment vendor
  - 5 gauss to be contained inside magnet room
  - chillers to support magnet located on roof confirm with vendor
  - Provide dimmable uplights at room perimeter
  - All equipment and accessories in IMRIM to be non ferrous
  - If COSH or DIGL needed in IMRIM, those should not be screwed to the wall. Just leave them on counter
  - Size room to support 3T magnet from current vendor
  - Verify electromagnetic shielding requirements with clinical operator
  - Review Radio Frequency shielding with clinical operator
  - Structurally isolate to minimize vibrations
  - Ferromagnetic materials used will become permanently contaminated. If space is converted to another use, the residual magnetic contamination may impair other electronic modalities

- A&E CONSULTANT ADVISORY**
- All information shown on drawing is necessary to meet operational and functional intent
  - Compliance with all applicable codes regulations including American Disability Act and confirmation of project specific requirements
  - Coordination between all disciplines as well as existing and new conditions and infrastructure
  - Coordination of all furniture, fixtures and equipment

**NOTE**

- Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific.

No.	Description	Date
1	First 30 Rooms	Jan 4, 2012

Dept  
**IMAGING-RADIOLOGY**

Title  
**IMAGING MRI(IMRIM), CONTROL ROOM(CRMRI), EQUIPMENT ROOM(EQCMP)**

Project number  
Project Number

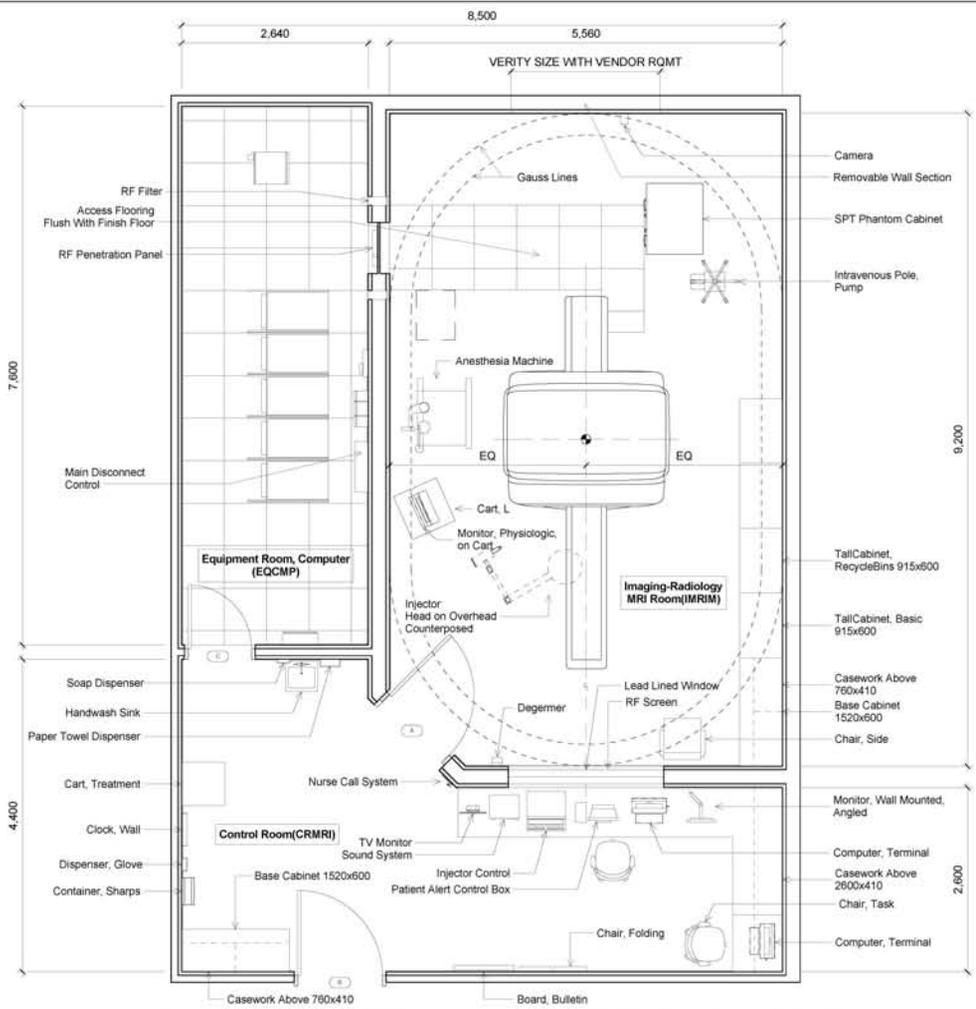
Date  
Issue Date

Drawn by  
Author

Checked by  
Checker

**3003.001**

Scale  
As Noted



**1 Floor Plan - Imaging MRI(IMRIM), Control Room(CRMRI), Equipment Room(EQCMP)**  
1 : 25

FF&E Category	FF&E Family	Count	ERP Code
Special Equipment	Anesthesia Machine	1	
Special Equipment	Injector Control	1	
Special Equipment	Injector Head on Overhead Counterposed	1	
Special Equipment	Intravenous Pole, Pump	1	
Special Equipment	Monitor, Physiologic, on Cart	1	
Special Equipment	MRI	1	
Special Equipment	MRI PowerUnit	1	
Special Equipment	Nurse Call System	1	
Special Equipment	RF Penetration Panel	1	
Furnishings	Base Cabinet 1520x600	2	
Furnishings	Casework Above 760x410	4	
Furnishings	Casework Above 2600x410	1	
Furnishings	Chair, Side	1	
Furnishings	Chair, Task	2	
Furnishings	Table, Adjustable	1	
Furnishings	Tall Cabinet, Basic 915x600	2	
Furnishings	Tall Cabinet, RecycleBins 915x600	2	
Fixture	Board, Bulletin	1	
Fixture	Clock, Wall	1	
Fixture	Container, Sharps	1	3723-015
Fixture	Degermer	1	
Fixture	Dispenser, Glove	1	
Fixture	Paper Towel Dispenser	1	
Fixture	Soap Dispenser	1	
Equipment	Blower Box	1	
Equipment	Camera	1	
Equipment	Cart, L	1	
Equipment	Cart, Treatment	1	
Equipment	Computer, Terminal	2	
Equipment	Monitor, Wall Mounted, Angled	1	
Equipment	Patient Alert Control Box	1	
Equipment	Sound System	1	
Equipment	SPT Phantom Cabinet	1	
Grand total		41	

Other Room Conditions - Requirements									
Phenol	Temp Range	Relative Ht.	Min. Total Air Change/hr	Min. Air Change Outdoor/hr	Air Exhausted Directly to Outside	Air Reintroduced	Min. Filtration Efficiency	AntiStatic Floor	Shielding
Positive	-21	40-60	6	NA	NO		G4-F8	YES	LEAD

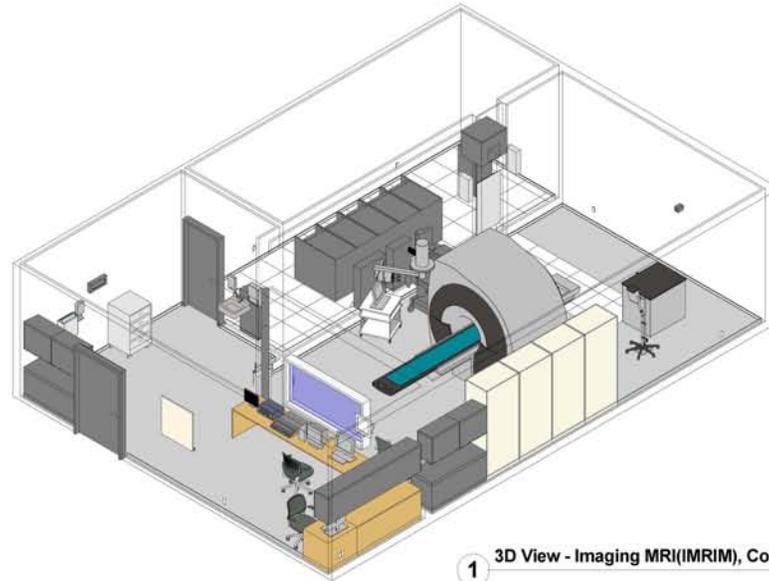
DOOR SCHEDULE (BASIC)										
OPENING NUMBER	ROOM ID	ROOM NAME	DOOR TYPE	DOOR CONSTRUCTION TYPE	DOOR GLASS TYPE	DOOR WIDTH 1	DOOR WIDTH 2	DOOR HEIGHT	FRAME CONSTRUCTION TYPE	FRAME CONSTRUCTION MATERIAL

Room Number	Room Name	Area	Required Area	Area Difference	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments
16	Imaging-Radiology MRI Room(IMRIM)	51 m²			Welded Seam Sheet Flooring/Heat Welded with Rod-Static Dissipative	Welded Seam Sheet Flooring/Heat Welded with Rod-Static Dissipative	GYPB with Noise Transmission Control	Acoustic Tile-Suspension System to be Non-ferromagnetic Material	3,000	
17	Control Room(CRMRI)	28 m²			Welded Seam Sheet Flooring/Heat Welded with Rod	Welded Seam Sheet Flooring/Heat Welded with Rod	GYPB with Radio Frequency and Magnetic Shielding	Acoustic Tile	3,000	
18	Equipment Room, Computer	20 m²			Access Floor Welded Seam Sheet Flooring/Heat Welded with Rod	Welded Seam Sheet Flooring/Heat Welded with Rod	GYPB with Noise Transmission Control	Acoustic Tile	3,000	
Grand total		3	99 m²	0 m²	0 m²					

Equipment Electrical Requirements												
Quantity	Description	UAE Volts	UAE Amps	UAE Hz	US Volts	US Amps	Phase	BTU/Hr	BTU/Hr TOTAL	Plug Type	Emergency Power	Remarks
	Anesthesia Machine	220	3	50	120	1.37						Cable Connection Req'd
	Injector, Contrast	230	0.5	50	120	0.4						Data Connection Req'd
	Infuse											
	USRI Unit	400		50	480							Water, Drain, Vent & Data

Utilities						
Hot Water	Cold Water	Treated Water	Vent	Steam	Gasses	Drain
X	X				Medical Air, Oxygen	X

FINISH SCHEDULE										
Room Number	Room Name	Area	Required Area	Area Difference	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments
16	Imaging-Radiology MRI Room(IMRIM)	51 m²			Welded Seam Sheet Flooring/Heat Welded with Rod-Static Dissipative	Welded Seam Sheet Flooring/Heat Welded with Rod-Static Dissipative	GYPB with Noise Transmission Control	Acoustic Tile-Suspension System to be Non-ferromagnetic Material	3,000	
17	Control Room(CRMRI)	28 m²			Welded Seam Sheet Flooring/Heat Welded with Rod	Welded Seam Sheet Flooring/Heat Welded with Rod	GYPB with Radio Frequency and Magnetic Shielding	Acoustic Tile	3,000	
18	Equipment Room, Computer	20 m²			Access Floor Welded Seam Sheet Flooring/Heat Welded with Rod	Welded Seam Sheet Flooring/Heat Welded with Rod	GYPB with Noise Transmission Control	Acoustic Tile	3,000	
Grand total		3	99 m²	0 m²	0 m²					



1 3D View - Imaging MRI(IMRIM), Control Room(CRMRI), Equipment Room(EQCMP)



Image from Virtual Mock-up

KEY NOTES

GENERAL NOTES

A&E CONSULTANT ADVISORY

NOTE

No.	Description	Date
1	First 30 Rooms	Jan. 4, 2012

Dept  
**IMAGING-RADIOLOGY**

Title  
**IMAGING MRI(IMRIM),  
CONTROL ROOM(CRMRI),  
EQUIPMENT ROOM(EQCMP)**

Project number                      Project Number

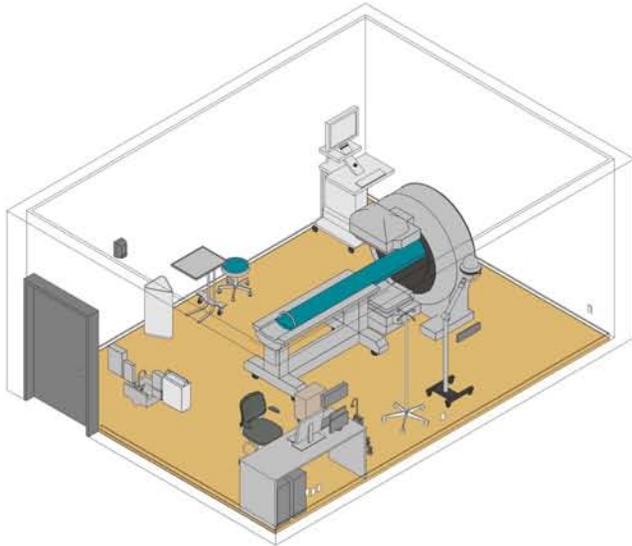
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Drawn by    Author

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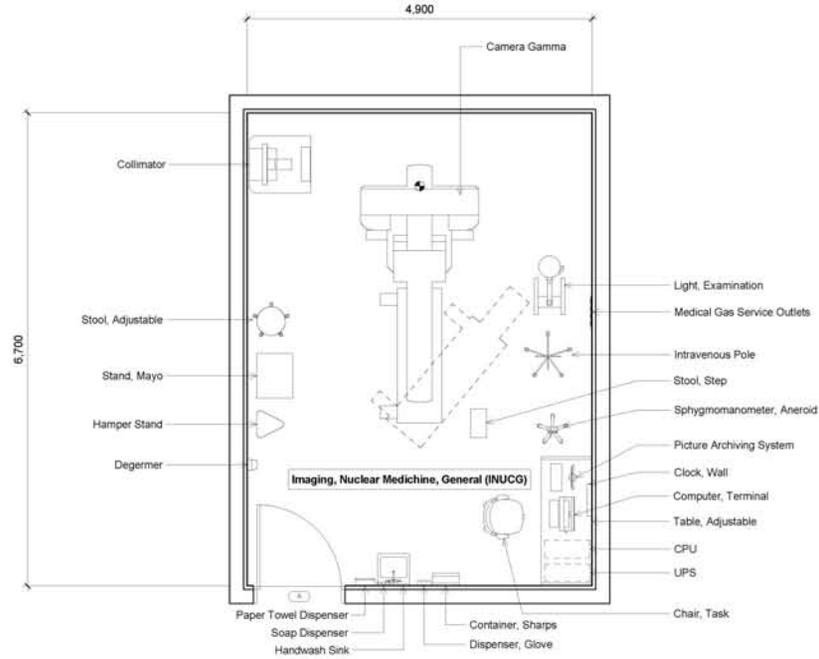


**2 3D View - Imaging, Nuclear Medicine, General(INUCG)**

No Scale

FF&E Category	FF&E Family	Count	ERP Code
Special Equipment	Camera Gamma	1	
Special Equipment	Collimator	1	
Special Equipment	Hamper Stand	1	
Special Equipment	Intravenous Pole	1	
Special Equipment	Light, Examination	1	
Special Equipment	Medical Gas Service Outlets	1	
Special Equipment	Sphygmomanometer, Aneroid	1	
Special Equipment	Stand, Mayo	1	
Furnishings	Chair, Task	1	
Furnishings	Stool, Adjustable	1	
Furnishings	Stool, Step	1	
Furnishings	Table, Adjustable	1	
Fixture	Clock, Wall	1	
Fixture	Container, Sharps	1	
Fixture	Degermer	1	
Fixture	Dispenser, Glove	1	
Fixture	Paper Towel Dispenser	1	
Fixture	Soap Dispenser	1	
Equipment	Computer, Terminal	1	
Equipment	CPU	1	
Equipment	Picture Archiving System	1	
Equipment	UPS	1	
Grand Total:		22	

Other Room Conditions - Requirements									
Pressure	Temp Range	Relative H.	Min. Total Air Change/Hr	Min. Air Change Outdoor/Hr	Air Exhausted Directly to Outside	Air Recirculated	Min. Filtration Efficiency	AntiStatic Floor	Shielding
Negative	21 - 24	30 - 60	6	NA	YES		G4-F8	NA	LEAD



**1 Floor Plan - Imaging, Nuclear Medicine, General(INUCG)**

1 : 25

FINISH SCHEDULE										
Room Number	Room Name	Area	Required Area	Area Difference	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments
1	Imaging, Nuclear Medicine, General (INUCG)	33 m <sup>2</sup>			Veneered Beam Sheet Flooring/wall Veneered with Rod	Veneered Beam Sheet Flooring/wall Veneered with Rod	GYPFB-Review Shielding with Physical	Acoustic Tile with Smooth Washable Surface	3,000	

DOOR SCHEDULE (BASIC)															
OPENING NUMBER	ROOM ID	ROOM NAME	DOOR TYPE	DOOR CONSTRUCTION TYPE	DOOR GLASS TYPE	DOOR WIDTH 1	DOOR WIDTH 2	DOOR HEIGHT	FRAME CONSTRUCTION TYPE	FRAME CONSTRUCTION MATERIAL	FRAME GLASS TYPE	FRAME FINISHING	HARDWARE GROUP	TYPE REMARKS	COMMENTS

Floor Plan - Imaging, Nuclear Medicine, General(INUCG)															
A	1	Imaging, Nuclear Medicine, General (INUCG)	IF	AL		1,200	2,040	Not Set	Not Set	Not Set	ix				

UTILITIES								
Hot Water	Cold Water	Treated Water	Vent	Shawn	Saturn	Drain	Vacuum	Data
X	X				Medical Air, Oxygen	X	X	X

Equipment Electrical Requirements									
Equipment	Watt	Volts	Phase	Frequency	Wiring	Grounding	Notes		
Collimator	1000	240	1	60					

**KEY NOTES**

**GENERAL NOTES**

- Not all equipment and accessories are shown for clarity.
- Consult equipment manufacturer planning drawings for technical information.
- Review shielding requirements with physicist.
- Verify all required clearances with equipment vendor.
- For nurse call requirements, see design technical standards. Coordinate location with facility.
- Design room lighting and switching in accordance with Lighting guidelines.
- Casework to be confirmed by end users.

**A&E CONSULTANT ADVISORY**

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- Architects and engineers of record are responsible for the following.
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- Coordination between all disciplines as well as existing and new conditions and infrastructure.
- Coordination of all furniture, fixture, and equipment.

**NOTE**

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No.	Description	Date
1	First 30 Rooms	Jan. 4, 2012

Dept	
<b>IMAGING - RADIOLOGY</b>	

Title	
<b>IMAGING, NUCLEAR MEDICINE, GENERAL(INUCG)</b>	

Project number Project Number

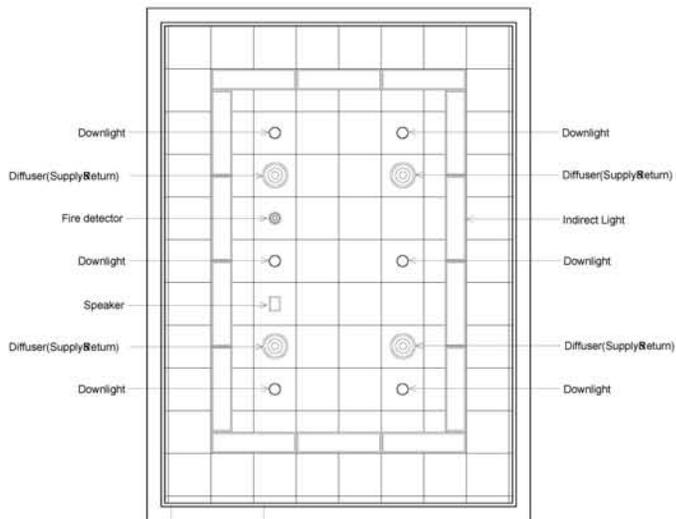
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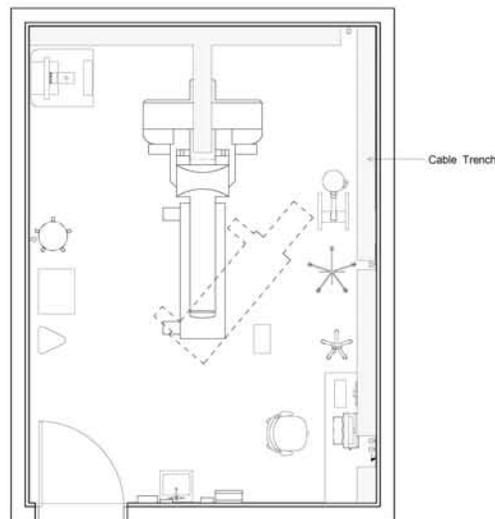
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Scale As Noted



**2** RCP Plan - Imaging, Nuclear Medicine, General(INUCG)  
1 : 25



**1** ELEC Plan - Imaging, Nuclear Medicine, General(INUCG)  
1 : 25

- ⊖ Duplex receptacle, standard height
- ⊕ Duplex receptacle, special mounting height
- ⊗ Four-plex receptacle, standard height
- ⊘ Four-plex receptacle, Special mounting height
- ⊚ Ground fault circuit interrupter duplex receptacle
- IT
- ◇ Intercom system
- E Emergency

**KEY NOTES**

**GENERAL NOTES**

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- Consult equipment manufacturer planning drawings for technical information.
- Review shielding requirements with physicist.
- Verify all required clearances with equipment vendor.
- For nurse call requirements, see design technical standards. Coordinate location with facility.
- Design room lighting and switching in accordance with Lighting guidelines.
- Casework to be confirmed by end users.

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No.	Description	Date
1	First 30 Rooms	Jan. 4, 2012

Dept  
**IMAGING - RADIOLOGY**

Title  
**IMAGING, NUCLEAR MEDICINE, GENERAL(INUCG)**

Project number                      Project Number

Date    Issue Date

Drawn by    Author

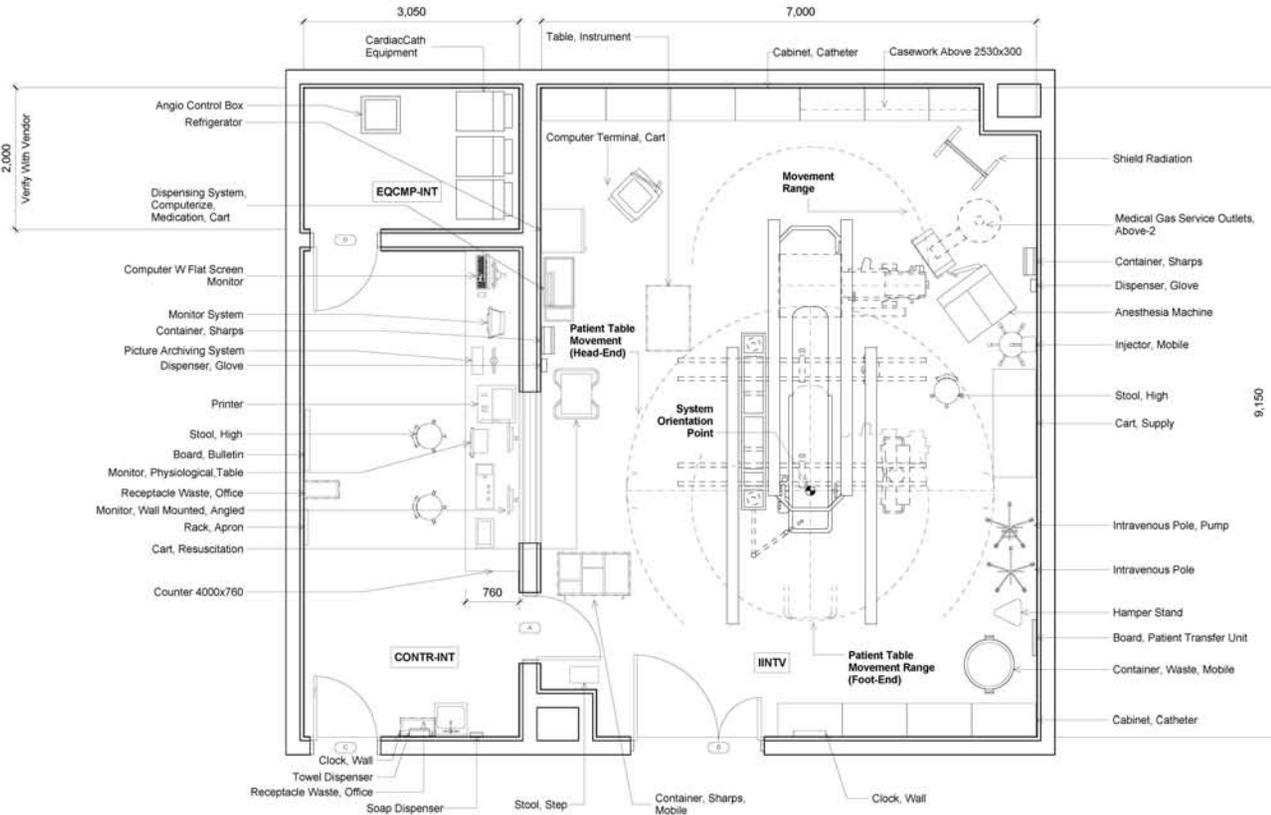
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Scale    As Noted



**Image from Virtual Mock-up**



**1** Floor Plan - ELEC Plan - Imaging, Interventional, Angiography(IINTV) 1:25

FF&E Category	FF&E Family	Count	ERP Code
Special Equipment	Anesthesia Machine	1	
Special Equipment	Angle Control Box	1	
Special Equipment	CardiacCath Equipment	3	
Special Equipment	CardiacCath System	1	
Special Equipment	Computer Terminal, Cart	1	
Special Equipment	Container, Sharps, Mobile	1	
Special Equipment	Dispensing System, Computerize, Medication, Cart	1	
Special Equipment	Hamper Stand	1	
Special Equipment	Injector, Mobile	1	
Special Equipment	Intravenous Pole	1	
Special Equipment	Medical Gas Service Outlets, Above-2	1	
Special Equipment	Monitor, Physiological, Table	1	
Special Equipment	Shield Radiation	1	
Furnishings	Cabinet, Catheter	10	
Furnishings	Cabinet, Catheter	10	
Furnishings	Casework Above 2530x300	1	
Furnishings	Container, Waste, Mobile	1	
Furnishings	Counter 4000x760	1	
Furnishings	Receptacle Waste, Office	2	
Furnishings	Stool, High	3	
Furnishings	Stool, Step	1	
Fixture	Board, Bulletin	1	
Fixture	Board, Patient Transfer Unit	1	
Fixture	Clock, Wall	2	
Fixture	Container, Sharps	2	
Fixture	Dispenser, Glove	2	
Fixture	Rack, Apron	2	
Fixture	Soap Dispenser	1	
Fixture	Towel Dispenser	1	
Equipment	Cart, Resuscitation	1	
Equipment	Cart, Supply	1	
Equipment	Computer W Flat Screen Monitor	1	
Equipment	Monitor System	1	
Equipment	Monitor, Wall Mounted, Angled	2	
Equipment	Picture Archiving System	1	
Equipment	Printer	1	
Equipment	Refrigerator	1	
Equipment	Table, Instrument	1	
Grand total		57	

Room Number	Room Name	Area	Required Area	Area Difference	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Ceiling Height	Comments
1	EQCMP-INT	8 m <sup>2</sup>			Resilient Sheet Flooring/Chemically Welded Seams	Resilient Sheet Flooring/Chemically Welded Seams	GYPB	Acoustic Tile	3,000	
2	CONTR-INT	21 m <sup>2</sup>			Resilient Sheet Flooring/Chemically Welded Seams	Resilient Sheet Flooring/Chemically Welded Seams	GYPB	Acoustic Tile	3,000	
3	IINTV	63 m <sup>2</sup>			Resilient Sheet Flooring/Chemically Welded Seams	Resilient Sheet Flooring/Chemically Welded Seams	GYPB	Acoustic Tile	3,000	
Grand total: 3		91 m <sup>2</sup>	0 m <sup>2</sup>	0 m <sup>2</sup>						

OPENING NUMBER	ROOM ID	ROOM NAME	DOOR TYPE	DOOR CONSTRUCTION TYPE	DOOR GLASS TYPE	DOOR WIDTH 1	DOOR WIDTH 2	DOOR HEIGHT	FRAME CONSTRUCTION TYPE	FRAME CONSTRUCTION MATERIAL	FRAME GLASS TYPE	FIRE RATING	HARDWARE GROUP	TYPE REMARKS	COMMENTS
A	2	CONTR-INT	F	AL		800	2,040	Not Set			Not Set	Not Set			v
B	3	IINTV	F	AL		1,200	800	2,040	Not Set	WD	Not Set	Not Set			v
C	1/2	CONTR-INT	F	AL		800	2,040	Not Set			Not Set	Not Set			v
D	1/2	CONTR-INT	F	AL		800	2,040	Not Set			Not Set	Not Set			v

Pressure	Temp Range	Relative H.	Min. Total Air Change/hr	Min. Air Change Outdoor/hr	Air Exhausted Directly to Outside	Air Recirculated	Min. Filtration Efficiency	Acoustic Floor	Tons Load	Shielding
Negative	21-24	30-60	6	NA	NO		G4-F9	NA		LEAD
Negative	21-24	30-60	6	NA	NO		G4-F9	NA		LEAD
Negative	21-24	30-60	6	NA	NO		G4-F9	NA		LEAD

**KEY NOTES**

**GENERAL NOTES**

- Coordinate all vendor supplied equipment.

**A&E CONSULTANT ADVISORY**

- All information shown on template is necessary to meet operational and functional intent.
- Architects and engineers of record are responsible for the following:
  - Compliance with all applicable codes and regulations and confirmation of project specific requirements.
  - Coordination between all disciplines as well as existing and new conditions and infrastructure.
  - Coordination of all furniture, fixture, and equipment.

**NOTE**  
- Guide plates are graphical representations of selected room types, illustrating the integration of space, components, systems, and equipment. They provide typical configurations and general technical guidance, and are not intended to be project specific.

No.	Description	Date
1	First 30 Rooms	Jan. 4, 2012

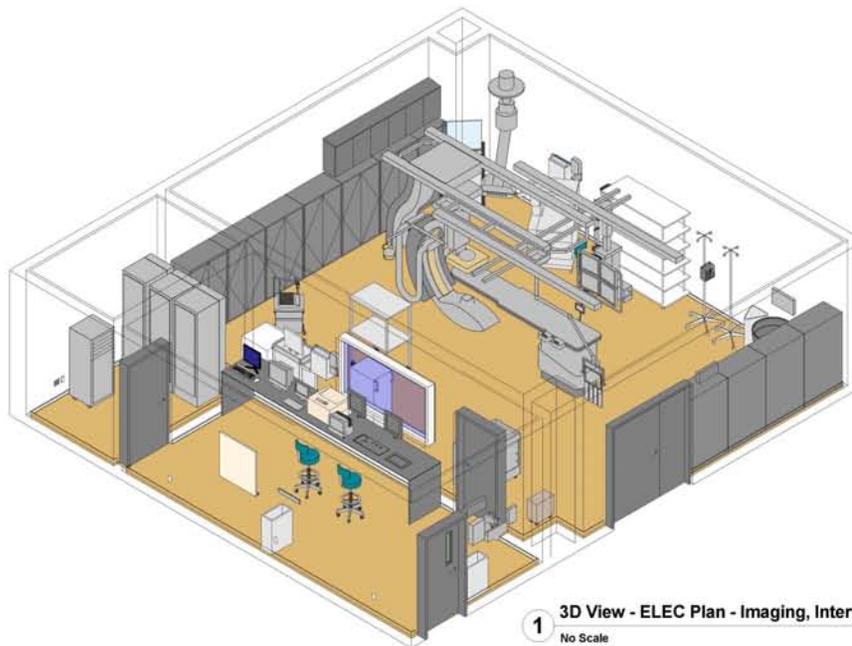
Dept  
**RADIOLOGY/PERIOPERATIVE SERVICES**

Title  
**IMAGING, INTERVENTIONAL, ANGIOGRAPHY(IINTV)**

Project number \_\_\_\_\_ Project Number \_\_\_\_\_  
 Date \_\_\_\_\_ Issue Date \_\_\_\_\_  
 Drawn by \_\_\_\_\_ Author \_\_\_\_\_  
 Checked by \_\_\_\_\_ Checker \_\_\_\_\_

**3006.001**

Scale \_\_\_\_\_ As Noted



**1** 3D View - ELEC Plan - Imaging, Interventional, Angiography(IINTV)  
No Scale



Image from Virtual Mock-up

**KEY NOTES**

**GENERAL NOTES**

Coordinate all vendor supplied equipment.

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No.	Description	Date
1	First 30 Rooms	Jan. 4, 2012

Dept  
**RADIOLOGY/PERIOPERATIVE SERVICES**

Title  
**IMAGING, INTERVENTIONAL, ANGIOGRAPHY(IINTV)**

Project number Project Number

Date Issue Date

Drawn by Author

Checked by Checker

**3006.002**

Scale As Noted