

ONE

Aquilion

GENESIS EDITION

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EQUIPMENT ELEVATIONS

TOSHIBA
MEDICAL

VA GAINESVILLE MALCOLM RANDALL MEDICAL CENTER (AQUILION – ONE GENESIS SERIES) 1601 SW ARCHER RD GAINESVILLE, FL 32608	REV	DATE	REVISED SHEET(S)		INT
	△	11-30-17	ORIGINAL	PRELIMINARY	DRAWING COMPLETED.
	△	12-28-17	A1.		
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DATE:					12-28-17
SCALE:					NOT TO SCALE
PLANNER:					V.H.
SID:					30047112
PROJECT NO.					170018619CTP1
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C. PRIOR TO EQUIPMENT DELIVERY AND INSTALLATION, THE SITE MUST BE 100% COMPLETE, CLEAN AND FREE OF DUST. CUSTOMER/CONTRACTOR AND TOSHIBA INSTALLATION PROJECT MANAGER MUST COMPLETE A SITE WALK THROUGH 1 WEEK PRIOR TO DELIVERY AND DETERMINE ACCEPTABILITY FOR DELIVERY.

D. ANY CABINETRY THAT MAY BE REQUIRED TO HOUSE VIDEO RECORDERS, MONITORS, KEYBOARDS, OR OTHER ANCILLARY EQUIPMENT SHALL BE SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.

E. PROVIDE ADEQUATE VENTILATION WITHIN CABINETRY AND INSTALL AXIAL FANS ON THE TOP, SIDE, OR BACK OF CABINETS, IF REQUIRED.

F. THESE TOSHIBA SITE PLANS DO NOT INDICATE EQUIPMENT REQUIREMENTS FOR ITEMS NOT SOLD BY TOSHIBA SUCH AS, PHYSIOLOGICAL MONITORS, LASER CAMERAS, INJECTORS, ETC. SPECIFICATIONS FOR THOSE ITEMS MUST BE OBTAINED FROM THE VENDOR AND INCLUDED IN THE DESIGN TOTALS.

G. DESIGN, FABRICATE, AND INSTALL MEDICAL GAS PEDESTAL, IF REQUIRED. CONSULT WITH TOSHIBA INSTALLATION PROJECT MANAGER FOR SUITABLE LOCATIONS.

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L. PLUMBING IS NOT REQUIRED FOR THIS TOSHIBA EQUIPMENT.

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N. DIMENSIONS TO WALLS AND OR OTHER ROOM FEATURES, EXCEPT FOR NOTED COLUMN AND BEAM CENTER LINES SHALL BE FROM FINISHED SURFACES.

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R. NETWORK REQUIREMENTS WILL VARY BY SITE. TOSHIBA REPRESENTATIVE WILL REQUIRE DICOM DEVICE INFORMATION. ADDITIONAL I.P. ADDRESSES, AND I.T. DEPARTMENT CONTACT INFORMATION PRIOR TO INSTALLATION.

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07--09--15

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SPECIAL SEISMIC CERTIFICATION

A. THE FOLLOWING COMPONENTS HAVE SPECIAL SEISMIC CERTIFICATION:

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SYSTEM
AQILION ONE GENESIS: TSX--305A/3
AQILION ONE VISION, AQILION ONE 640, AQILION ONE 320: TSX--301C/3--5
AQILION PRIME: TSX--303A/F
AQILION LIGHTNING: TSX--035A/5
AQILION RXL: TSX--101A/R
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AQILION ONE GENESIS (TYPE G): CGGT--036A/1A
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AQILION LIGHTNING (TYPE E): CGGT--034A/3D
AQILION RXL (TYPE C): CGGT--018B/1A, CGGT--018B/2A
PATIENT COUCH
AQILION ONE GENESIS:
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LATERAL MOVEMENT UNIT: CALU--001A/4C (OPTIONAL)
AQILION ONE VISION, AQILION ONE 640, AQILION ONE 320: CBTB--032A/1A (EXTENDED), CBTB--032B/1A (COMPACT)
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AQILION LIGHTNING: CBTB--032A/6A (EXTENDED), CBTB--032B/6A (COMPACT)
AQILION RXL EXTENDED: CBTB--028A/1A, CBTB--032A/3A
AQILION RXL COMPACT: CBTB--028B/1A, CBTB--032B/3A
POWER DISTRIBUTOR (AS APPLICABLE)
AQILION ONE GENESIS (TYPE F): CETF--010B/1A
AQILION ONE VISION, AQILION ONE 640, AQILION ONE 320 (TYPE B): CETF--010A/1A
AQILION PRIME (TYPE C): CETF--006B/1A
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AQILION RXL (TYPE A): CETF--006A/7A
CPU & RECONSTRUCTION UNIT(S) (AS APPLICABLE)
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AQILION PRIME: CKCN--017A/2B
AQILION VELOCT: CKCN--016C/5A, CKCN--016C/6A
AQILION RXL: CKCN--016B/4A
CON BOX & NAVI BOX (AS APPLICABLE)
AQILION ONE GENESIS (TYPE A): CKCN--018A/3B
AQILION LIGHTNING (TYPE E): CKCN--013C/3A
LCD MONITORS
KEYBOARDS
MOUSE
A.B. OSP--0119--10
G8000 UNINTERRUPTIBLE POWER SUPPLY -- G8000 (AS APPLICABLE)
AQILION ONE VISION ONLY: 150KVA
ALL OTHER CT MODELS: 100KVA
A.C. OSP--0088--10
BAT -- BC43 (PAIRED WITH G8000 UPS) (AS APPLICABLE)

B. WEIGHTS SHOWN ON THE OSP DOCUMENTS ARE GENERALLY A MAXIMUM AND THE WEIGHTS SHOWN ON THESE SITE PLANS REFLECT THE EQUIPMENT AS ORDERED.

04--10--17

ELECTRICAL NOTES

CUSTOMER / CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING UNLESS OTHERWISE NOTED.

A. THESE SITE PLANS ARE INTENDED TO DEPICT ONLY A CONCEPT OF THE ELECTRICAL REQUIREMENTS FOR THE TOSHIBA EQUIPMENT. THE DESIGN OF ALL ELECTRICAL ELEMENTS MUST BE SPECIFIED BY A LICENSED ELECTRICAL ENGINEER IN ACCORDANCE WITH TOSHIBA SPECIFICATION AND ALL APPLICABLE CODES.

B. IN ACCORDANCE WITH NEC ARTICLE 517--72(B), THE EQUIPMENT CIRCUIT BREAKER(S) MUST BE LOCATED SO THAT THEY SHALL BE OPERABLE FROM A LOCATION READILY ACCESSIBLE FROM THE CONTROL AREA. IF THIS IS IMPOSSIBLE OR IMPRACTICAL, THE USE OF A SHUNT TRIP TYPE BREAKER WILL BE NECESSARY TO SATISFY THIS REQUIREMENT. THE EMERGENCY OFF BUTTON FOR THE SHUNT TRIP SHOULD BE LOCATED IN THE CONTROL AREA.

C. THE CUSTOMER/CONTRACTOR SHALL SUPPLY AND INSTALL ALL CIRCUIT BREAKERS, CONDUITS, JUNCTION BOXES, DUCTS, ETC. SPECIFIED HEREIN.

D. THE TOSHIBA SITE PLANS DO NOT SPECIFY ELECTRICAL REQUIREMENTS FOR EQUIPMENT NOT SOLD BY TOSHIBA. THESE REQUIREMENTS MUST BE OBTAINED BY THE VENDOR.

E. TOSHIBA WILL SUPPLY INTERCONNECTING CABLES FOR THE TOSHIBA EQUIPMENT. TOSHIBA WILL INSTALL IF LOCAL TRADE LABOR PERMITS.

F. EXCEPT FOR THEIR USE IN POWER LINE CONNECTIONS TO EQUIPMENT CABINETS, FLEXIBLE CONDUIT SHALL NOT BE USED IN THIS INSTALLATION. ONLY FACTORY CONDUIT ELBOWS SHALL BE USED.

G. DUCT WORK SHALL BE PROVIDED WITH SWEEP ELBOWS.

H. ALL JUNCTION BOXES AND DUCTS THAT PENETRATE THE FLOOR SHALL BE WATERPROOF TYPE AND PROVIDED WITH GASKETED WATERPROOF COVERS. ALL FLOOR JUNCTION BOXES AND DUCT COVERS SHALL BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 200 LBS.

I. GROMMETED OPENINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. VERIFY SIZE AND LOCATION WITH TOSHIBA REPRESENTATIVE. ALL GROMMETED OPENINGS SHALL HAVE NO SHARP EDGES.

J. ALL CHASE & GROMMETED OPENINGS SHALL HAVE PLASTIC/NYLON BUSHINGS.

K. ALL WALL DUCT WORK SHALL HAVE THE MINIMUM NUMBER OF COMPARTMENTS SPECIFIED IN THE ELECTRICAL DUCT LEGEND (SHEET E1). TRANSITIONS SUCH AS HORIZONTAL TO VERTICAL WALL DUCT OR WALL DUCT TO JUNCTION BOXES MUST BE REVIEWED ON AN INDIVIDUAL BASIS WITH THE INSTALLATION PROJECT MANAGER. LOCAL CODES MAY REQUIRE THE USE OF CROSS--OVER TUNNELS OR OTHER SUCH DEVICES TO MAINTAIN CABLE SEPARATION.

L. ALL DUCT AND CONDUITS SHALL BE ELECTRICALLY BONDED AS A GROUNDING PATH IN ACCORDANCE WITH NEC ARTICLE 517--13(B).

M. CUSTOMER/CONTRACTOR SHALL SUPPLY AND INSTALL GREENLEE NYLON MEASURING PULL STRING OR EQUIVALENT IN ALL CONDUITS AND CLOSED DUCT WORK.

N. CONDUIT RUNS SHOWN ARE FOR REFERENCE ONLY. ALL CONDUIT RUNS MUST TAKE THE SHORTEST MOST DIRECT ROUTE POSSIBLE.

O. CONDUIT RUNS MAY HAVE A MAXIMUM OF (3) 90° BENDS.

P. 110VAC GROUNDED OUTLETS SHALL BE PROVIDED ON WALLS NEAR THE TOSHIBA EQUIPMENT FOR USE DURING EQUIPMENT SERVICE.

Q. CUSTOMER/CONTRACTOR MUST SUPPLY AND INSTALL ALL INCOMING POWER CABLES FROM CIRCUIT BREAKER(S) TO TOSHIBA EQUIPMENT CONNECTION POINT. CABLE TYPE MUST BE MTW MULTI--STRAND COPPER -- NO ALUMINUM IS PERMITTED. CABLE SIZE MUST BE IN ACCORDANCE WITH TOSHIBA POWER QUALITY REQUIREMENTS. (SEE SHEET E3).

R. CUSTOMER/CONTRACTOR IS TO SUPPLY AND INSTALL ALL NECESSARY HARDWARE TO ENCLOSE INCOMING POWER CABLES IN FLEXIBLE WATER TIGHT CONDUIT FROM CIRCUIT BREAKER(S) TO TOSHIBA EQUIPMENT CABINET(S).

S. ANY CHANGES IN THE LOCATION OR TYPE OF CONDUIT, DUCT WORK, JUNCTION BOXES, ETC. MUST BE SUBMITTED IN WRITING TO THE TOSHIBA INSTALLATION PROJECT MANAGER FOR APPROVAL.

T. A SEPARATE CIRCUIT, FED FROM THE FACILITY RADIOLOGY PANEL OR A MAIN SERVICE PANEL IS REQUIRED. USE OF A SUB PANEL WITH LOADS SUCH AS ELEVATORS, HVAC, MOTORS, ETC. IS NOT PERMITTED.

U. ALL DUCT WORK MAKING A 90° ANGLE MUST BE CHAMFERED FOR CABLE ACCESS.

V. JUNCTION BOX SIZES SPECIFIED ON SHEET E1 MAY BE INCREASED AS NEEDED.

W. FIBER OPTIC CABLES REQUIRE A MINIMUM RADIUS OF 4 1/2". DUCT WORK DESIGN MUST ACCOMMODATE THIS REQUIREMENT.

07--17--14

TOSHIBA POWER & ENVIRONMENTAL QUALITY NOTIFICATION / ASSESSMENT

A. FOR YOUR SYSTEM TO PERFORM TO THE RELIABILITY AND QUALITY STANDARDS YOU EXPECT FROM TOSHIBA, IT IS CRUCIAL THAT THE ENVIRONMENT IN WHICH THE SYSTEM IS OPERATING MEET THE REQUIREMENTS STATED WITHIN THE TOSHIBA PUBLISHED SPECIFICATIONS AS DOCUMENTED IN YOUR TOSHIBA SITE PLAN. TO ENSURE QUALITY PERFORMANCE, TOSHIBA, WITH NO COST TO YOU, WILL CHECK THE TEMPERATURE, HUMIDITY, AND INCOMING POWER OF YOUR SITE PRIOR TO AND AFTER THE INSTALLATION OF TOSHIBA EQUIPMENT. TOSHIBA WILL PROVIDE A WRITTEN REPORT DETAILING THE STATUS OF YOUR SITE'S ENVIRONMENT AND INCOMING POWER. SHOULD ANY FAILURE TO MEET TOSHIBA'S SPECIFICATIONS BE IDENTIFIED PRE AND POST INSTALLATION, THE FACILITY WILL BE REQUIRED TO CORRECT THEM TO MEET TOSHIBA PUBLISHED SPECIFICATIONS. TOSHIBA WILL PROVIDE GUIDANCE TO DEVELOP SOLUTIONS TO ANY DEFICIENCIES TO THE ENVIRONMENT OR INCOMING POWER. HOWEVER, YOU ARE RESPONSIBLE FOR CORRECTING SUCH DEFICIENCIES. AT NO COST TO TOSHIBA, FAILURE TO CORRECT ANY KNOWN OR DISCOVERED DEFICIENCIES MAY RESULT IN SYSTEM REPAIRS THAT ARE NOT COVERED BY YOUR WARRANTY OR SERVICE CONTRACT.

07--17--14

NETWORK REQUIREMENTS

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DUE TO THE LARGE DATA SETS GENERATED BY THE TOSHIBA'S HIGH SPEED IMAGING, AN OPTIMIZED COMPUTER NETWORK ENVIRONMENT IS NECESSARY TO MAINTAIN FAST IMAGE TRANSFER SPEEDS. THE TWO REQUIREMENTS ARE:

1. HIGH SPEED NETWORK. GIGABIT ETHERNET BETWEEN TOSHIBA'S EQUIPMENT AND ITS NETWORK PEERS.

2. UNCLUTTERED NETWORK ENVIRONMENT. THE SYSTEMS IMMEDIATE NETWORK ENVIRONMENT, INCLUDING CONNECTION TO VITAL WORKSTATION AND MCKESSON IMAGE CACHE, SHOULD BE ON AN ISOLATED NETWORK SEGMENT FREE OF BROADCASTS AND EXTRANEOUS TRAFFIC. THIS CAN BE ACHIEVED BY VLAN, FIREWALLS, OR SIMILAR TECHNOLOGIES. T.A.M.S. SERVICE NETWORKING SUPPORT TEAM CAN PROVIDE SUGGESTIONS, BUT CUSTOMER WILL NEED TO MAKE ITS OWN INDEPENDENT DETERMINATION ABOUT THE ADEQUACY OF SUCH ITEMS. TOSHIBA WILL NOT BE RESPONSIBLE FOR ANY ISSUES ARISING OUT OF THE NETWORK ENVIRONMENT.

ADDITIONALLY, REMOTE SERVICE AND SUPPORT IS PROVIDED BY VPN. TOSHIBA REQUIRES FULL--TIME BIDIRECTIONAL CONNECTION. PLEASE SEE TOSHIBA CONNECTIVITY WHITEPAPER FOR SUPPORTED VPN METHODOLOGIES. ANCILLARY EQUIPMENT VENDORS SUCH AS VITAL AND MCKESSON, MAY REQUIRE THEIR OWN REMOTE SERVICE CONNECTION.

ELECTRICAL REQUIREMENTS FOR AQILION

SUPPLY CONFIGURATION: 3 PHASE DELTA OR WYE

SUPPLY VOLTAGE: 480V, 150 AMP, 60 Hz

DISTRIBUTION CAPACITY: 125 KVA

11--04--16

VIBRATION SPECIFICATION

MAXIMUM VIBRATIONAL ACCELERATION DURING GANTRY ROTATION:
0.98 m/s² (0.1 G) OR LESS AT ALL FREQUENCIES
MAXIMUM AMPLITUDE: 0.1 mm OR LESS IN ALL DIRECTIONS

04--07--15

CEILING HEIGHT

RECOMMENDED CEILING HEIGHT: 9'-0"
MINIMUM CEILING HEIGHT: 8'-2 1/2"

07--17--14

HVAC REQUIREMENTS

CUSTOMER TO PROVIDE THE NECESSARY HVAC REQUIREMENTS FOR THE TOSHIBA EQUIPMENT TO OPERATE PROPERLY.

AMBIENT TEMPERATURE SHOULD BE 68°-74° F
WITH EQUIPMENT HEAT LOADS (SEE EQUIPMENT LEGEND SHEET A1)
HUMIDITY RANGE OF 40--70% NON--CONDENSING

A. STATED AMBIENT TEMPERATURE IS TO BE PROVIDED AND MAINTAINED AS SPECIFIED. ALL CALCULATIONS ARE TO UTILIZE TOSHIBA PROVIDED HEAT OUTPUT SPECIFICATIONS OF EQUIPMENT.

B. A MINIMUM OF 10 AIR CHANGES PER HOUR IS SUGGESTED, CONSULT LOCAL CODE.

C. AIR SUPPLY DUCTS SHOULD NOT BE PLACED DIRECTLY OVER EXAMINATION TABLES FOR PATIENT COMFORT.

SUPPLY OUTLET EXCLUSION ZONE

3'-3"

2'-9"

4'-6"

4'-6"

A/C SUPPLY OUTLET EXCLUSION ZONE

D. EQUIPMENT IN ENCLOSED SPACES SUCH AS EQUIPMENT ROOMS, TRANSFORMER CLOSETS AND COMPUTER ROOMS MUST BE PROVIDED WITH ADEQUATE VENTILATION.

E. THE AIRFLOW THROUGH TOSHIBA EQUIPMENT CABINETS IS FROM BOTTOM TO TOP.

F. WHERE POSSIBLE, AIR CONDITIONING SUPPLY OUTLETS SHOULD BE LOCATED AT FLOOR LEVEL. NO AIR CONDITIONING OUTLET SHOULD BE WITHIN THE EXCLUSION ZONE SHOWN ABOVE AND AT NO TIME SHOULD THE CT SYSTEM BE EXPOSED TO DIRECT AIRFLOW.

G. RETURN GRILLES ARE TO BE INSTALLED IN THE CEILING.

H. A/C SUPPLY OUTLET TO BE PROVIDED BY CUSTOMER AT FLOOR LEVEL AT CONTROL ROOM DESK.

I. DUE TO HEAT GENERATED BY THE "CPU" UNIT, ADDITIONAL VENTILATION IN THE CONTROL AREA IS REQUIRED. CUSTOMER/CONTRACTOR PROVIDED FAN(S) MAY BE NECESSARY BELOW THE DESKTOP FOR TECHNICIAN COMFORT. THE "CPU" UNIT SHOULD NOT BE ENCLOSED IN CASEWORK.

RECOMMENDED TEMPERATURE CONDITIONS IN CT SCAN ROOM

TIMER ON

A/C ON

SCAN START TIME

2.0 HRS

TOLERANCE: ±3°F

J. IN GENERAL, THE SCANNING ROOM MUST BE PROVIDED WITH AN INDEPENDENT AIR CONDITIONING SYSTEM. EVEN IF THE ROOM IS MAINTAINED WITHIN THE PERMISSIBLE TEMPERATURE RANGE, GRADUAL TEMPERATURE SHIFTS (FOR EXAMPLE, A SLOW INCREASE IN ROOM TEMPERATURE FROM MORNING TO EVENING) MAY ADVERSELY AFFECT SYSTEM PERFORMANCE. THEREFORE, THE ROOM TEMPERATURE MUST BE KEPT UNDER CONSTANT CONTROL (WITHIN ±3°F) AS SHOWN IN THE ABOVE FIGURE.

K. THE AIR CONDITIONING SYSTEM IN THE SCANNING ROOM MUST BE INSTALLED SO THAT THE CT SYSTEM IS NOT EXPOSED TO DIRECT AIRFLOW. FAILURE TO DO SO MAY CAUSE THE TEMPERATURE INSIDE THE CT SYSTEM TO FLUCTUATE, POSSIBLY AFFECTING THE DISPLAYED IMAGES ADVERSELY.

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AQILION ONE VISION, AQILION ONE 640, AQILION ONE 320: CKCN--015B/5A
AQILION PRIME: CKCN--017A/2B
AQILION VELOCT: CKCN--016C/5A, CKCN--016C/6A
AQILION RXL: CKCN--016B/4A
CON BOX & NAVI BOX (AS APPLICABLE)
AQILION ONE GENESIS (TYPE A): CKCN--018A/3B
AQILION LIGHTNING (TYPE E): CKCN--013C/3A
LCD MONITORS
KEYBOARDS
MOUSE
A.B. OSP--0119--10
G8000 UNINTERRUPTIBLE POWER SUPPLY -- G8000 (AS APPLICABLE)
AQILION ONE VISION ONLY: 150KVA
ALL OTHER CT MODELS: 100KVA
A.C. OSP--0088--10
BAT -- BC43 (PAIRED WITH G8000 UPS) (AS APPLICABLE)

B. WEIGHTS SHOWN ON THE OSP DOCUMENTS ARE GENERALLY A MAXIMUM AND THE WEIGHTS SHOWN ON THESE SITE PLANS REFLECT THE EQUIPMENT AS ORDERED.

04--10--17

ELECTRICAL NOTES

CUSTOMER / CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING UNLESS OTHERWISE NOTED.

A. THESE SITE PLANS ARE INTENDED TO DEPICT ONLY A CONCEPT OF THE ELECTRICAL REQUIREMENTS FOR THE TOSHIBA EQUIPMENT. THE DESIGN OF ALL ELECTRICAL ELEMENTS MUST BE SPECIFIED BY A LICENSED ELECTRICAL ENGINEER IN ACCORDANCE WITH TOSHIBA SPECIFICATION AND ALL APPLICABLE CODES.

B. IN ACCORDANCE WITH NEC ARTICLE 517--72(B), THE EQUIPMENT CIRCUIT BREAKER(S) MUST BE LOCATED SO THAT THEY SHALL BE OPERABLE FROM A LOCATION READILY ACCESSIBLE FROM THE CONTROL AREA. IF THIS IS IMPOSSIBLE OR IMPRACTICAL, THE USE OF A SHUNT TRIP TYPE BREAKER WILL BE NECESSARY TO SATISFY THIS REQUIREMENT. THE EMERGENCY OFF BUTTON FOR THE SHUNT TRIP SHOULD BE LOCATED IN THE CONTROL AREA.

C. THE CUSTOMER/CONTRACTOR SHALL SUPPLY AND INSTALL ALL CIRCUIT BREAKERS, CONDUITS, JUNCTION BOXES, DUCTS, ETC. SPECIFIED HEREIN.

D. THE TOSHIBA SITE PLANS DO NOT SPECIFY ELECTRICAL REQUIREMENTS FOR EQUIPMENT NOT SOLD BY TOSHIBA. THESE REQUIREMENTS MUST BE OBTAINED BY THE VENDOR.

E. TOSHIBA WILL SUPPLY INTERCONNECTING CABLES FOR THE TOSHIBA EQUIPMENT. TOSHIBA WILL INSTALL IF LOCAL TRADE LABOR PERMITS.

F. EXCEPT FOR THEIR USE IN POWER LINE CONNECTIONS TO EQUIPMENT CABINETS, FLEXIBLE CONDUIT SHALL NOT BE USED IN THIS INSTALLATION. ONLY FACTORY CONDUIT ELBOWS SHALL BE USED.

G. DUCT WORK SHALL BE PROVIDED WITH SWEEP ELBOWS.

H. ALL JUNCTION BOXES AND DUCTS THAT PENETRATE THE FLOOR SHALL BE WATERPROOF TYPE AND PROVIDED WITH GASKETED WATERPROOF COVERS. ALL FLOOR JUNCTION BOXES AND DUCT COVERS SHALL BE CAPABLE OF SUPPORTING A CONCENTRATED LOAD OF 200 LBS.

I. GROMMETED OPENINGS ARE SHOWN FOR REFERENCE PURPOSES ONLY. VERIFY SIZE AND LOCATION WITH TOSHIBA REPRESENTATIVE. ALL GROMMETED OPENINGS SHALL HAVE NO SHARP EDGES.

J. ALL CHASE & GROMMETED OPENINGS SHALL HAVE PLASTIC/NYLON BUSHINGS.

K. ALL WALL DUCT WORK SHALL HAVE THE MINIMUM NUMBER OF COMPARTMENTS SPECIFIED IN THE ELECTRICAL DUCT LEGEND (SHEET E1). TRANSITIONS SUCH AS HORIZONTAL TO VERTICAL WALL DUCT OR WALL DUCT TO JUNCTION BOXES MUST BE REVIEWED ON AN INDIVIDUAL BASIS WITH THE INSTALLATION PROJECT MANAGER. LOCAL CODES MAY REQUIRE THE USE OF CROSS--OVER TUNNELS OR OTHER SUCH DEVICES TO MAINTAIN CABLE SEPARATION.

L. ALL DUCT AND CONDUITS SHALL BE ELECTRICALLY BONDED AS A GROUNDING PATH IN ACCORDANCE WITH NEC ARTICLE 517--13(B).

M. CUSTOMER/CONTRACTOR SHALL SUPPLY AND INSTALL GREENLEE NYLON MEASURING PULL STRING OR EQUIVALENT IN ALL CONDUITS AND CLOSED DUCT WORK.

N. CONDUIT RUNS SHOWN ARE FOR REFERENCE ONLY. ALL CONDUIT RUNS MUST TAKE THE SHORTEST MOST DIRECT ROUTE POSSIBLE.

O. CONDUIT RUNS MAY HAVE A MAXIMUM OF (3) 90° BENDS.

P. 110VAC GROUNDED OUTLETS SHALL BE PROVIDED ON WALLS NEAR THE TOSHIBA EQUIPMENT FOR USE DURING EQUIPMENT SERVICE.

Q. CUSTOMER/CONTRACTOR MUST SUPPLY AND INSTALL ALL INCOMING POWER CABLES FROM CIRCUIT BREAKER(S) TO TOSHIBA EQUIPMENT CONNECTION POINT. CABLE TYPE MUST BE MTW MULTI--STRAND COPPER -- NO ALUMINUM IS PERMITTED. CABLE SIZE MUST BE IN ACCORDANCE WITH TOSHIBA POWER QUALITY REQUIREMENTS. (SEE SHEET E3).

R. CUSTOMER/CONTRACTOR IS TO SUPPLY AND INSTALL ALL NECESSARY HARDWARE TO ENCLOSE INCOMING POWER CABLES IN FLEXIBLE WATER TIGHT CONDUIT FROM CIRCUIT BREAKER(S) TO TOSHIBA EQUIPMENT CABINET(S).

S. ANY CHANGES IN THE LOCATION OR TYPE OF CONDUIT, DUCT WORK, JUNCTION BOXES, ETC. MUST BE SUBMITTED IN WRITING TO THE TOSHIBA INSTALLATION PROJECT MANAGER FOR APPROVAL.

T. A SEPARATE CIRCUIT, FED FROM THE FACILITY RADIOLOGY PANEL OR A MAIN SERVICE PANEL IS REQUIRED. USE OF A SUB PANEL WITH LOADS SUCH AS ELEVATORS, HVAC, MOTORS, ETC. IS NOT PERMITTED.

U. ALL DUCT WORK MAKING A 90° ANGLE MUST BE CHAMFERED FOR CABLE ACCESS.

V. JUNCTION BOX SIZES SPECIFIED ON SHEET E1 MAY BE INCREASED AS NEEDED.

W. FIBER OPTIC CABLES REQUIRE A MINIMUM RADIUS OF 4 1/2". DUCT WORK DESIGN MUST ACCOMMODATE THIS REQUIREMENT.

07--17--14

TOSHIBA POWER & ENVIRONMENTAL QUALITY NOTIFICATION / ASSESSMENT

A. FOR YOUR SYSTEM TO PERFORM TO THE RELIABILITY AND QUALITY STANDARDS YOU EXPECT FROM TOSHIBA, IT IS CRUCIAL THAT THE ENVIRONMENT IN WHICH THE SYSTEM IS OPERATING MEET THE REQUIREMENTS STATED WITHIN THE TOSHIBA PUBLISHED SPECIFICATIONS AS DOCUMENTED IN YOUR TOSHIBA SITE PLAN. TO ENSURE QUALITY PERFORMANCE, TOSHIBA, WITH NO COST TO YOU, WILL CHECK THE TEMPERATURE, HUMIDITY, AND INCOMING POWER OF YOUR SITE PRIOR TO AND AFTER THE INSTALLATION OF TOSHIBA EQUIPMENT. TOSHIBA WILL PROVIDE A WRITTEN REPORT DETAILING THE STATUS OF YOUR SITE'S ENVIRONMENT AND INCOMING POWER. SHOULD ANY FAILURE TO MEET TOSHIBA'S SPECIFICATIONS BE IDENTIFIED PRE AND POST INSTALLATION, THE FACILITY WILL BE REQUIRED TO CORRECT THEM TO MEET TOSHIBA PUBLISHED SPECIFICATIONS. TOSHIBA WILL PROVIDE GUIDANCE TO DEVELOP SOLUTIONS TO ANY DEFICIENCIES TO THE ENVIRONMENT OR INCOMING POWER. HOWEVER, YOU ARE RESPONSIBLE FOR CORRECTING SUCH DEFICIENCIES. AT NO COST TO TOSHIBA, FAILURE TO CORRECT ANY KNOWN OR DISCOVERED DEFICIENCIES MAY RESULT IN SYSTEM REPAIRS THAT ARE NOT COVERED BY YOUR WARRANTY OR SERVICE CONTRACT.

07--17--14

NETWORK REQUIREMENTS

CUSTOMER / CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING UNLESS OTHERWISE NOTED.

DUE TO THE LARGE DATA SETS GENERATED BY THE TOSHIBA'S HIGH SPEED IMAGING, AN OPTIMIZED COMPUTER NETWORK ENVIRONMENT IS NECESSARY TO MAINTAIN FAST IMAGE TRANSFER SPEEDS. THE TWO REQUIREMENTS ARE:

1. HIGH SPEED NETWORK. GIGABIT ETHERNET BETWEEN TOSHIBA'S EQUIPMENT AND ITS NETWORK PEERS.

2. UNCLUTTERED NETWORK ENVIRONMENT. THE SYSTEMS IMMEDIATE NETWORK ENVIRONMENT, INCLUDING CONNECTION TO VITAL WORKSTATION AND MCKESSON IMAGE CACHE, SHOULD BE ON AN ISOLATED NETWORK SEGMENT FREE OF BROADCASTS AND EXTRANEOUS TRAFFIC. THIS CAN BE ACHIEVED BY VLAN, FIREWALLS, OR SIMILAR TECHNOLOGIES. T.A.M.S. SERVICE NETWORKING SUPPORT TEAM CAN PROVIDE SUGGESTIONS, BUT CUSTOMER WILL NEED TO MAKE ITS OWN INDEPENDENT DETERMINATION ABOUT THE ADEQUACY OF SUCH ITEMS. TOSHIBA WILL NOT BE RESPONSIBLE FOR ANY ISSUES ARISING OUT OF THE NETWORK ENVIRONMENT.

ADDITIONALLY, REMOTE SERVICE AND SUPPORT IS PROVIDED BY VPN. TOSHIBA REQUIRES FULL--TIME BIDIRECTIONAL CONNECTION. PLEASE SEE TOSHIBA CONNECTIVITY WHITEPAPER FOR SUPPORTED VPN METHODOLOGIES. ANCILLARY EQUIPMENT VENDORS SUCH AS VITAL AND MCKESSON, MAY REQUIRE THEIR OWN REMOTE SERVICE CONNECTION.

ELECTRICAL REQUIREMENTS FOR AQILION

SUPPLY CONFIGURATION: 3 PHASE DELTA OR WYE

SUPPLY VOLTAGE: 480V, 150 AMP, 60 Hz

DISTRIBUTION CAPACITY: 125 KVA

11--04--16

VIBRATION SPECIFICATION

MAXIMUM VIBRATIONAL ACCELERATION DURING GANTRY ROTATION:
0.98 m/s² (0.1 G) OR LESS AT ALL FREQUENCIES
MAXIMUM AMPLITUDE: 0.1 mm OR LESS IN ALL DIRECTIONS

04--07--15

CEILING HEIGHT

RECOMMENDED CEILING HEIGHT: 9'-0"
MINIMUM CEILING HEIGHT: 8'-2 1/2"

07--17--14

HVAC REQUIREMENTS

CUSTOMER TO PROVIDE THE NECESSARY HVAC REQUIREMENTS FOR THE TOSHIBA EQUIPMENT TO OPERATE PROPERLY.

AMBIENT TEMPERATURE SHOULD BE 68°-74° F
WITH EQUIPMENT HEAT LOADS (SEE EQUIPMENT LEGEND SHEET A1)
HUMIDITY RANGE OF 40--70% NON--CONDENSING

A. STATED AMBIENT TEMPERATURE IS TO BE PROVIDED AND MAINTAINED AS SPECIFIED. ALL CALCULATIONS ARE TO UTILIZE TOSHIBA PROVIDED HEAT OUTPUT SPECIFICATIONS OF EQUIPMENT.

B. A MINIMUM OF 10 AIR CHANGES PER HOUR IS SUGGESTED, CONSULT LOCAL CODE.

C. AIR SUPPLY DUCTS SHOULD NOT BE PLACED DIRECTLY OVER EXAMINATION TABLES FOR PATIENT COMFORT.

SUPPLY OUTLET EXCLUSION ZONE

3'-3"

2'-9"

4'-6"

4'-6"

A/C SUPPLY OUTLET EXCLUSION ZONE

D. EQUIPMENT IN ENCLOSED SPACES SUCH AS EQUIPMENT ROOMS, TRANSFORMER CLOSETS AND COMPUTER ROOMS MUST BE PROVIDED WITH ADEQUATE VENTILATION.

E. THE AIRFLOW THROUGH TOSHIBA EQUIPMENT CABINETS IS FROM BOTTOM TO TOP.

F. WHERE POSSIBLE, AIR CONDITIONING SUPPLY OUTLETS SHOULD BE LOCATED AT FLOOR LEVEL. NO AIR CONDITIONING OUTLET SHOULD BE WITHIN THE EXCLUSION ZONE SHOWN ABOVE AND AT NO TIME SHOULD THE CT SYSTEM BE EXPOSED TO DIRECT AIRFLOW.

G. RETURN GRILLES ARE TO BE INSTALLED IN THE CEILING.

H. A/C SUPPLY OUTLET TO BE PROVIDED BY CUSTOMER AT FLOOR LEVEL AT CONTROL ROOM DESK.

I. DUE TO HEAT GENERATED BY THE "CPU" UNIT, ADDITIONAL VENTILATION IN THE CONTROL AREA IS REQUIRED. CUSTOMER/CONTRACTOR PROVIDED FAN(S) MAY BE NECESSARY BELOW THE DESKTOP FOR TECHNICIAN COMFORT. THE "CPU" UNIT SHOULD NOT BE ENCLOSED IN CASEWORK.

RECOMMENDED TEMPERATURE CONDITIONS IN CT SCAN ROOM

TIMER ON

A/C ON

SCAN START TIME

2.0 HRS

TOLERANCE: ±3°F

J. IN GENERAL, THE SCANNING ROOM MUST BE PROVIDED WITH AN INDEPENDENT AIR CONDITIONING SYSTEM. EVEN IF THE ROOM IS MAINTAINED WITHIN THE PERMISSIBLE TEMPERATURE RANGE, GRADUAL TEMPERATURE SHIFTS (FOR EXAMPLE, A SLOW INCREASE IN ROOM TEMPERATURE FROM MORNING TO EVENING) MAY ADVERSELY AFFECT SYSTEM PERFORMANCE. THEREFORE, THE ROOM TEMPERATURE MUST BE KEPT UNDER CONSTANT CONTROL (WITHIN ±3°F) AS SHOWN IN THE ABOVE FIGURE.

K. THE AIR CONDITIONING SYSTEM IN THE SCANNING ROOM MUST BE INSTALLED SO THAT THE CT SYSTEM IS NOT EXPOSED TO DIRECT AIRFLOW. FAILURE TO DO SO MAY CAUSE THE TEMPERATURE INSIDE THE CT SYSTEM TO FLUCTUATE, POSSIBLY AFFECTING THE DISPLAYED IMAGES ADVERSELY.

VA GAINESVILLE

MALCOLM RANDALL MEDICAL CENTER

(AQILION -- ONE GENESIS SERIES)

1601 SW ARCHER RD
GAINESVILLE, FL 32608

THESE TOSHIBA PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THAT AGREED UPON BETWEEN TOSHIBA AND THE CUSTOMER. THESE SITE PLANS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

DATE: 12--28--17

SCALE: NOT TO SCALE

PLANNER: V.H.

SID: 30047112

PROJECT NO.
170018619CTP1

GN1

GENERAL NOTES

CUSTOMER / CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING UNLESS OTHERWISE NOTED.

GENERAL

A. TOSHIBA RESERVES THE RIGHT TO CHANGE THESE DESIGNS AND SPECIFICATIONS WITHOUT NOTICE.

B. THE CUSTOMER/CONTRACTOR IS RESPONSIBLE TO ENSURE THAT ALL APPLICABLE FEDERAL, STATE, AND LOCAL CODES AND ORDINANCES ARE COMPLIED WITH.

C. PRIOR TO EQUIPMENT DELIVERY AND INSTALLATION, THE SITE MUST BE 100% COMPLETE, CLEAN AND FREE OF DUST. CUSTOMER/CONTRACTOR AND TOSHIBA INSTALLATION PROJECT MANAGER MUST COMPLETE A SITE WALK THROUGH 1 WEEK PRIOR TO DELIVERY AND DETERMINE ACCEPTABILITY FOR DELIVERY.

D. ANY CABINETRY THAT MAY BE REQUIRED TO HOUSE VIDEO RECORDERS, MONITORS, KEYBOARDS, OR OTHER ANCILLARY EQUIPMENT SHALL BE SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.

E. PROVIDE ADEQUATE VENTILATION WITHIN CABINETRY AND INSTALL AXIAL FANS ON THE TOP, SIDE, OR BACK OF CABINETS, IF REQUIRED.

F. THESE TOSHIBA SITE PLANS DO NOT INDICATE EQUIPMENT REQUIREMENTS FOR ITEMS NOT SOLD BY TOSHIBA SUCH AS, PHYSIOLOGICAL MONITORS, LASER CAMERAS, INJECTORS, ETC. SPECIFICATIONS FOR THOSE ITEMS MUST BE OBTAINED FROM THE VENDOR AND INCLUDED IN THE DESIGN TOTALS.

G. DESIGN, FABRICATE, AND INSTALL MEDICAL GAS PEDESTAL, IF REQUIRED. CONSULT WITH TOSHIBA INSTALLATION PROJECT MANAGER FOR SUITABLE LOCATIONS.

H. CUSTOMER/CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN OPERATING PHONE IN THE CONTROL ROOM AT THE TIME TOSHIBA EQUIPMENT INSTALLATION BEGINS.

I. CUSTOMER/CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE LIGHTING FOR SERVICING OF EQUIPMENT IN ALL AREAS OF THE INSTALLATION.

J. THE CUSTOMER/CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL COSTS REQUIRED FOR THE ENGINEERING AND/OR REMOVAL OF ANY HAZARDOUS MATERIALS SUCH AS ASBESTOS.

K. CUSTOMER/CONTRACTOR SHALL SUPPLY AND INSTALL MATERIALS AND OTHER FEATURES SPECIFIED IN THE TOSHIBA SITE PLANS. CUSTOMER/CONTRACTOR SHALL SUPPLY AND INSTALL ALL COUNTERTOPS, SINKS, CASE WORK AND CABINETS SPECIFIED IN THE TOSHIBA SITE PLANS.

PLUMBING

L. PLUMBING IS NOT REQUIRED FOR THIS TOSHIBA EQUIPMENT.

M. IT IS RECOMMENDED THAT A SINK BE PROVIDED FOR USE BY PERSONNEL.

SITE CONDITIONS

N. DIMENSIONS TO WALLS AND OR OTHER ROOM FEATURES, EXCEPT FOR NOTED COLUMN AND BEAM CENTER LINES SHALL BE FROM FINISHED SURFACES.

O. CT GANTRY SHOULD NOT BE INSTALLED WITHIN 10 MAGNETIC GAUSS FIELD.

P. THE WINDOW FOR MONITORING THE SCAN ROOM SHOULD BE IN FRONT OF OR ON THE SIDE OF THE CONSOLE DESK. THE LOWEST WINDOW FRAME SHOULD BE 36" ABOVE THE FLOOR FOR EASY PATIENT MONITORING.

Q. A DOOR BETWEEN THE SCAN AND CONTROL ROOM IS RECOMMENDED.

NETWORKING REQUIREMENTS

R. NETWORK REQUIREMENTS WILL VARY BY SITE. TOSHIBA REPRESENTATIVE WILL REQUIRE DICOM DEVICE INFORMATION. ADDITIONAL I.P. ADDRESSES, AND I.T. DEPARTMENT CONTACT INFORMATION PRIOR TO INSTALLATION.

TRANSPORT REQUIREMENTS

S. EQUIPMENT INGRESS ROUTE MUST BE CHECKED PRIOR TO EQUIPMENT DELIVERY TO ENSURE THE LARGEST AND HEAVIEST ITEMS OF EQUIPMENT CAN BE ACCOMMODATED, PRIOR TO EQUIPMENT DELIVERY. DIMENSIONS OF DOORWAYS SHOULD BE NO LESS THAN 4'-0" CLEAR IN WIDTH. CONTACT THE TOSHIBA INSTALLATION PROJECT MANAGER FOR DETAILS PERTAINING TO THE LARGEST AND HEAVIEST COMPONENTS FOR THIS INSTALLATION (SEE DETAIL 2, SHEET GN2).

07--09--15

SPECIAL NOTES

SPECIAL SEISMIC CERTIFICATION

A. THE FOLLOWING COMPONENTS HAVE SPECIAL SEISMIC CERTIFICATION:

A.A. OSP--0174--10
SYSTEM
AQILION ONE GENESIS: TSX--305A/3
AQILION ONE VISION, AQILION ONE 640, AQILION ONE 320: TSX--301C/3--5
AQILION PRIME: TSX--303A/F
AQILION LIGHTNING: TSX--035A/5
AQILION RXL: TSX--101A/R
GANTRY
AQILION ONE GENESIS (TYPE G): CGGT--036A/1A
AQILION ONE VISION, AQILION ONE 640, AQILION ONE 320 (TYPE A): CGGT--030A/1A
AQILION PRIME (TYPE D): CGGT--032A/2A
AQILION LIGHTNING (TYPE E): CGGT--034A/3D
AQILION RXL (TYPE C): CGGT--018B/1A, CGGT--018B/2A
PATIENT COUCH
AQILION ONE GENESIS:
CBTB--032A/5A (EXTENDED), CBTB--032B/5A (COMPACT)
LATERAL MOVEMENT UNIT: CALU--001A/4C (OPTIONAL)
AQILION ONE VISION, AQILION ONE 640, AQILION ONE 320: CBTB--032A/1A (EXTENDED), CBTB--032B/1A (COMPACT)
LATERAL MOVEMENT UNIT: CALU--001A/3C (OPTIONAL)
AQILION PRIME:
CBTB--032A/1A (EXTENDED), CBTB--032B/1A (COMPACT)
LATERAL MOVEMENT UNIT: CALU--001A/3C (OPTIONAL)
AQILION LIGHTNING: CBTB--032A/6A (EXTENDED), CBTB--032B/6A (COMPACT)
AQILION RXL EXTENDED: CBTB--028A/1A, CBTB--032A/3A
AQILION RXL COMPACT: CBTB--028B/1A, CBTB--032B/3A
POWER DISTRIBUTOR (AS APPLICABLE)
AQILION ONE GENESIS (TYPE F): CETF--010B/1A
AQILION ONE VISION, AQILION ONE 640, AQILION ONE 320 (TYPE B): CETF--010A/1A
AQILION PRIME (TYPE C): CETF--006B/1A
AQILION LIGHTNING (TYPE E): CETF--013A/1A
AQILION RXL (TYPE A): CETF--006A/7A
CPU & RECONSTRUCTION UNIT(S) (AS APPLICABLE)
AQILION ONE VISION, AQILION ONE 640, AQILION ONE 320: CKCN--015B/5A
AQILION PRIME: CKCN--017A/2B
AQILION VELOCT: CK

J. IN GENERAL, THE SCANNING ROOM MUST BE PROVIDED WITH AN INDEPENDENT AIR CONDITIONING SYSTEM. EVEN IF THE ROOM IS MAINTAINED WITHIN THE PERMISSIBLE TEMPERATURE RANGE, GRADUAL TEMPERATURE SHIFTS (FOR EXAMPLE, A SLOW INCREASE IN ROOM TEMPERATURE FROM MORNING TO EVENING) MAY ADVERSELY AFFECT SYSTEM PERFORMANCE. THEREFORE, THE ROOM TEMPERATURE MUST BE KEPT UNDER CONSTANT CONTROL (WITHIN ±3°F) AS SHOWN IN THE ABOVE FIGURE.

K. THE AIR CONDITIONING SYSTEM IN THE SCANNING ROOM MUST BE INSTALLED SO THAT THE CT SYSTEM IS NOT EXPOSED TO DIRECT AIRFLOW. FAILURE TO DO SO MAY CAUSE THE TEMPERATURE INSIDE THE CT SYSTEM TO FLUCTUATE, POSSIBLY AFFECTING THE DISPLAYED IMAGES ADVERSELY.

MINIMUM SITE REQUIREMENTS CHECKLIST

PROJECT:		SITE INSPECTION DATE:	
EQUIPMENT DELIVERY DATE:		INSPECTED BY:	
IN ORDER TO ENSURE A TIMELY AND SUCCESSFUL INSTALLATION, IT IS NECESSARY TO COMPLETE THIS FORM PRIOR TO INSTALLATION. PLEASE ASSIST TOSHIBA BY HAVING THE CONTRACTOR OR YOUR REPRESENTATIVE COMPLETE THE FOLLOWING:			
<div></div>	1.	ALL WALLS, FLOORS, AND CEILINGS FINISHED. WALLS PAINTED, FLOORS TILED, AND CEILING GRID WORK AND FIXTURES INSTALLED.	
	2.	MONOLITHIC OR LAY-IN CEILING? PLEASE CIRCLE ONE.	
	3.	DOORS AND WINDOWS (INCLUDING ALL LEADED DOORS AND GLASS) INSTALLED AND LOCKABLE. DOORS TO BE REMOVED PRIOR TO DELIVERY BY CUSTOMER OR CONTRACTOR AND REINSTALLED AFTER EQUIPMENT MOVE-IN. RESERVE SECURE ROOM FOR STORAGE DURING INSTALLATION.	
	4.	AREA SET ASIDE FOR EQUIPMENT RIGGING AND MOVE-IN. ENVIRONMENTAL ISSUES ADDRESSED AND RESOLVED PRIOR TO EQUIPMENT DELIVERY (I.E. SURGICAL SUITE).	
	5.	EQUIPMENT (INGRESS) ROUTES ARE CLEAR AND OBSTACLE FREE.	
	6.	ALL CONDUIT, TROUGHING (WITH COVERS), AND BOXES INSTALLED (CLEAN AND DUST FREE). GROMMETED OPENINGS, CHASE NIPPLES, RACEWAY DIVIDERS, ETC. COMPLETE.	
	7.	CIRCUIT BREAKER INSTALLED AND INCOMING POWER (PER POWER QUALITY REQUIREMENTS) OPERATIONAL AND CONNECTED TO ROOM BREAKER(S).	
	8.	LOCATION OF ALL ELECTRICAL BREAKERS IN POWER CHAIN NOTED.	
	9.	ALL CONTRACTOR-INSTALLED STRUCTURAL SUPPORT DEVICES INSTALLED AND LEVELED ACCORDING TO T.A.M.S. SPECIFICATIONS ON SITE PLANS.	
	10.	ROOM LIGHTING INSTALLED AND OPERATIONAL.	
	11.	ENSURE THAT LIGHTING/SPRINKLER HEADS PRESENT NO CONFLICT WITH UNITS MOUNTED TO THE CEILING.	
	12.	ENSURE THAT NON-TOSHIBA SUPPLIED EQUIPMENT PRESENT NO CONFLICT WITH UNITS MOUNTED TO THE CEILING.	
	13.	110V ROOM OUTLETS OPERATIONAL.	
	14.	ALL CONTRACTOR-SUPPLIED CABLES PULLED AND TERMINATED, INCLUDING GROUND WIRE AND GROUND BUS BAR IN TROUGHING AS SPECIFIED IN THE TOSHIBA SITE PLANS.	
	15.	INTERFACE FOR DIMMING OF ROOM LIGHTS (IF APPLICABLE), WARNING LIGHTS AND DOOR SWITCHES INSTALLED AND INTERFACE AVAILABLE AND CONNECTED (RELAYS, ETC.).	
	16.	DUST-FREE ENVIRONMENT IN ALL RELATED ROOMS.	
	17.	HEATING AND AIR-CONDITIONING INSTALLED, OPERATIONAL, AND STABILIZED PER TOSHIBA SITE PLANS. FILTERS TO BE CHANGED 24 HOURS BEFORE DELIVERY.	
	18.	ALL MILLWORK COMPLETE AND INSTALLED.	
	19.	PLUMBING COMPLETED (INCLUDING GASES, IF APPLICABLE) ACCORDING TO TOSHIBA SPECIFICATIONS ON SITE PLANS.	
	20.	OPTIONAL COMPUTER FLOORING INSTALLED, IF APPLICABLE.	
	21.	THIRD PARTY VENDED ITEMS SUCH AS PROCESSORS, FILM CHANGERS, INJECTORS, GAS PEDESTALS, PHYSIOLOGICAL MONITORING EQUIPMENT, ETC., INSTALLED AND OPERATIONAL.	
	22.	TELEPHONE LINES (VOICE AND OPTIONAL MODEM) INSTALLED AND OPERATIONAL. A DEDICATED PHONE LINE IS REQUIRED FOR SITES THAT ARE RECEIVING INNERSVISION.	
	23.	ALL UNFINISHED AREAS SEALED OFF TO PREVENT DUST CONTAMINATION.	
	24.	RECEPTACLE FOR TRASH AVAILABLE (LARGE ENOUGH FOR SHIPPING CRATES IF REQUIRED).	
	25.	SUB BASE PLATE(S) INSTALLED (IF REQUIRED).	
	26.	"PD" / "UPS" / "PCDU" INSTALLED AND OPERATIONAL (IF APPLICABLE).	
	27.	SEISMIC REQUIREMENTS, AND REQUIRED SEISMIC ANCHORING DEVICES INSTALLED (IF APPLICABLE).	
	28.	NETWORK CONNECTIONS INSTALLED AND OPERATIONAL.	
	29.	ALL APPLICABLE PERMITS OBTAINED.	

NOTICE:

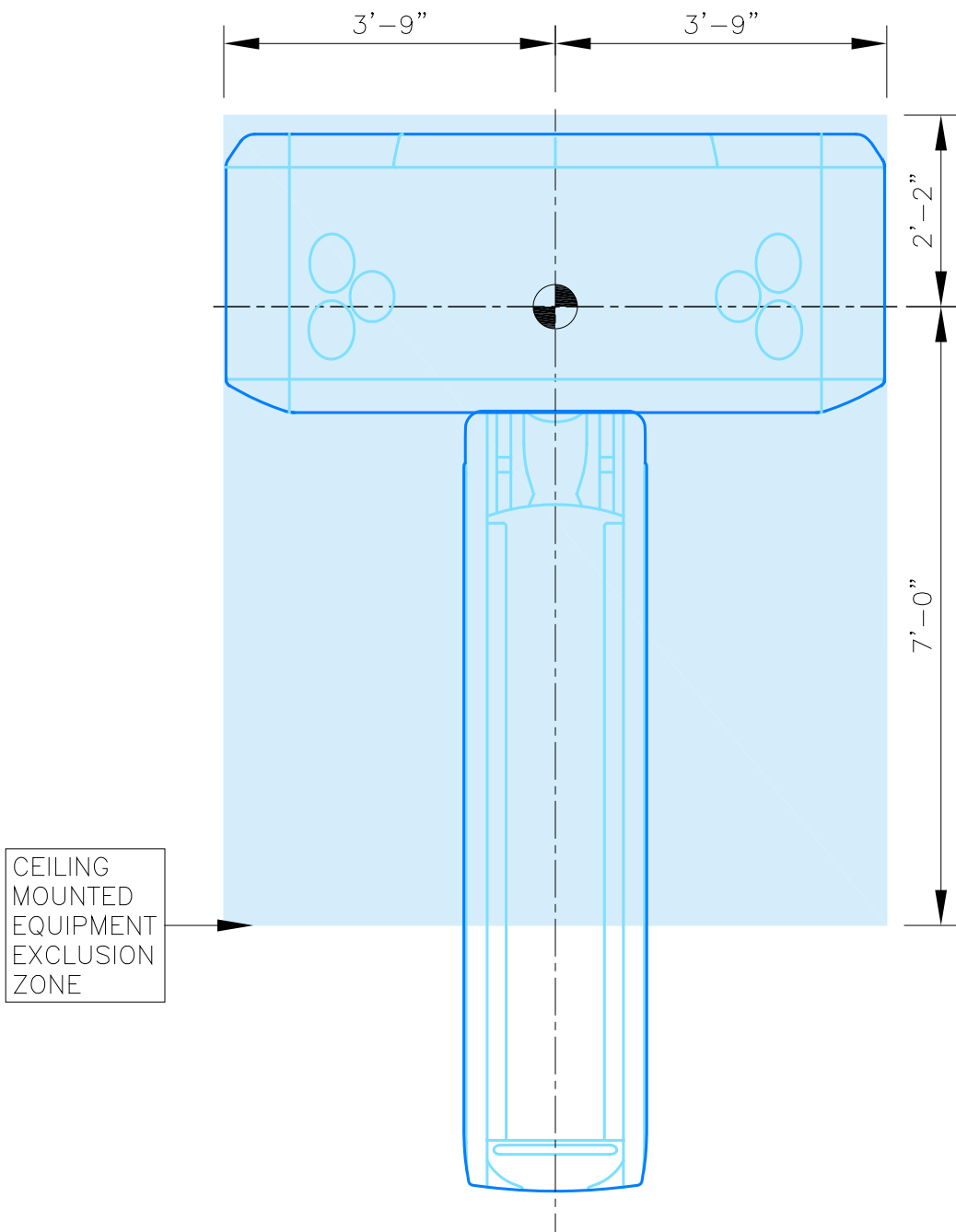
CUSTOMER MUST COMPLETE ALL ITEMS ON THIS CHECKLIST BEFORE SCHEDULED DELIVERY DATE FOR THE EQUIPMENT. IF CUSTOMER FAILS TO DO SO, DELIVERY MAY BE DELAYED. FURTHERMORE, THE EQUIPMENT WARRANTY MAY BE VOIDED.

COMMENTS:

SIGNED TOSHIBA:

CONTRACTOR:

CUSTOMER:

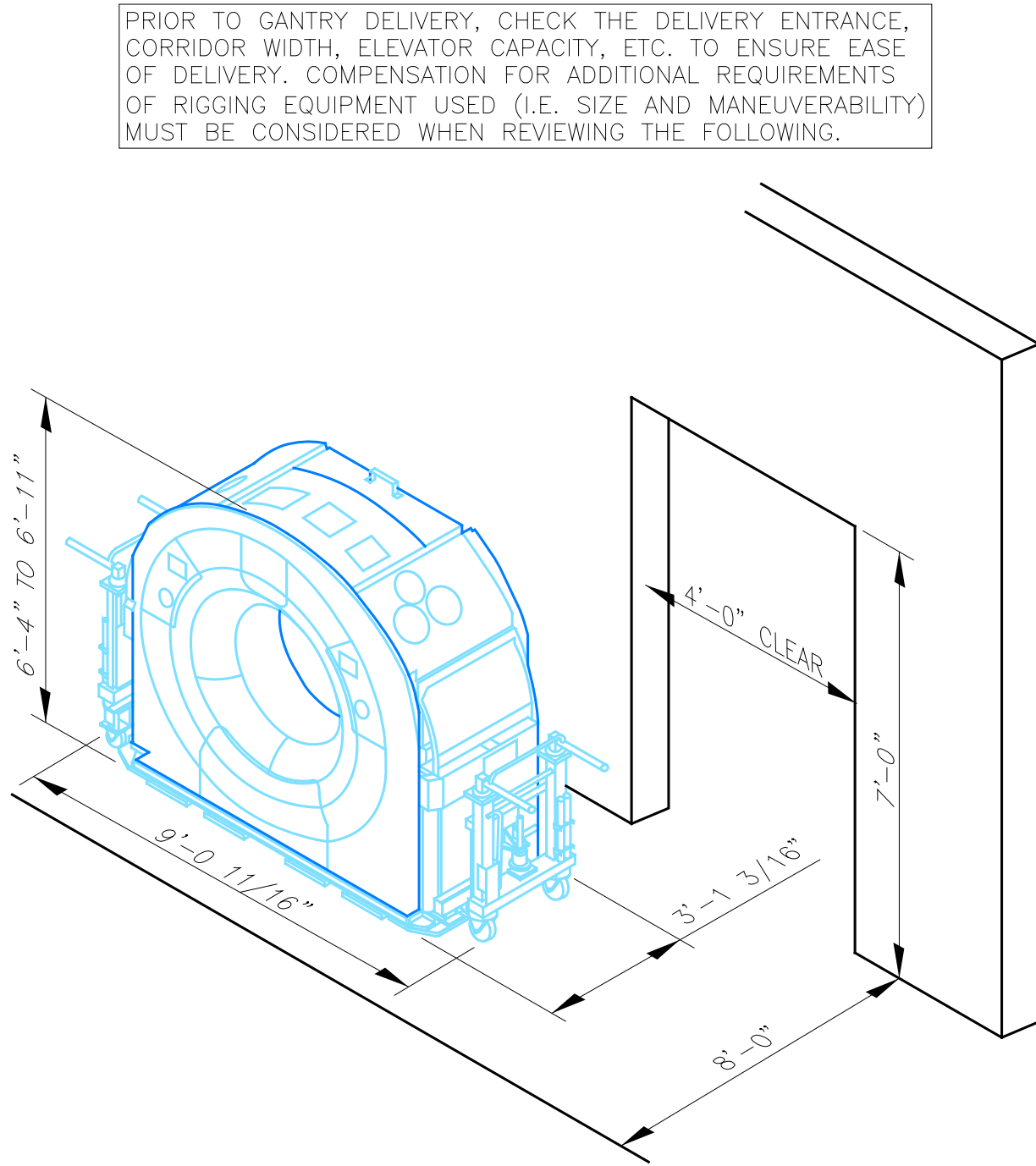


- A. CEILING MOUNTED EQUIPMENT MUST BE POSITIONED TO AVOID INTERFERENCE WITH GANTRY.
- B. EQUIPMENT IS TO BE A MINIMUM OF 10" ABOVE THE RAISED GANTRY COVER (SEE DETAIL 1, SHEET A2).
- C. OVERHEAD COUNTERPOISE SYSTEMS CAN BE INSTALLED OVER GANTRY ISOCENTER IF THE PLATE IS MOUNTED AT A HEIGHT SUCH THAT THE BOTTOM OF THE POST DOES NOT INTERFERE WITH THE GANTRY (HEIGHT OF GANTRY + 10" CLEARANCE + POST LENGTH = MOUNTING PLATE HEIGHT ABOVE FINISHED FLOOR).

1 CEILING MOUNTED EQUIPMENT

SCALE: 1/2" = 1'-0"

11-04-16



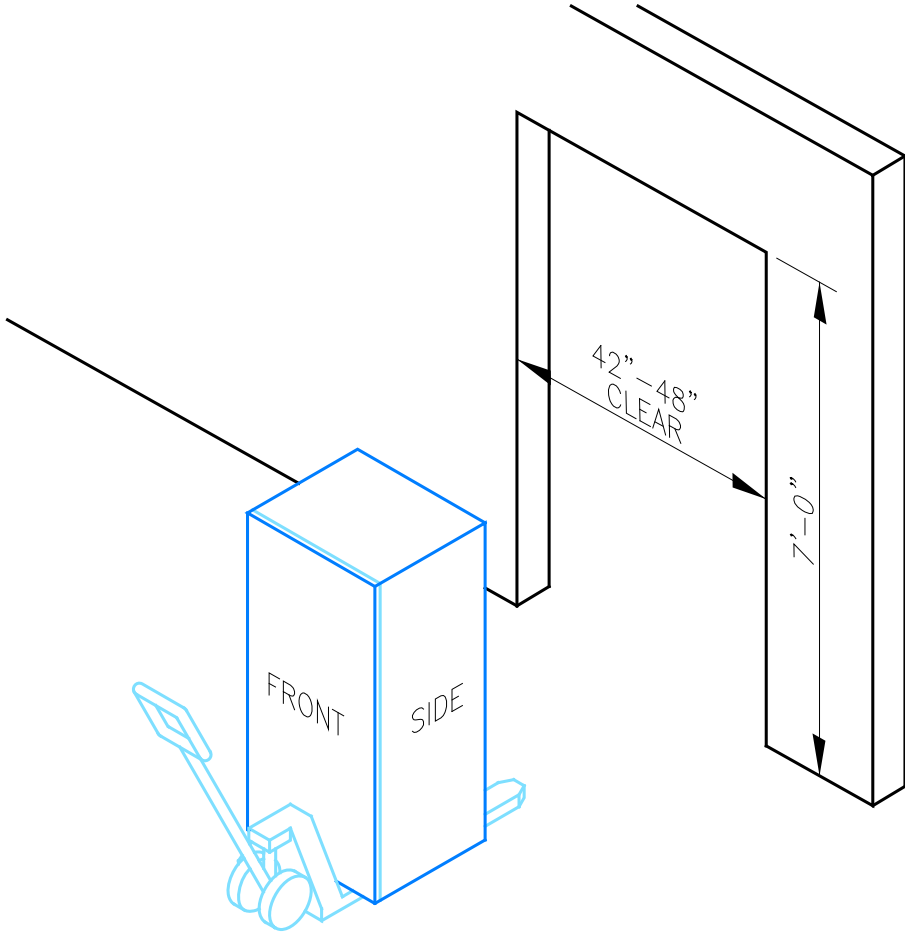
MINIMUM DELIVERY REQUIREMENTS

RECOMMENDED HEIGHT OF ENTRY WAY DOORS: 7'-0"
RECOMMENDED WIDTH OF ENTRY WAY DOORS: 5'-0"
RECOMMENDED WIDTH OF CORRIDOR: 8'-0"

2 RECOMMENDED GANTRY DELIVERY REQUIREMENTS

SCALE: NOT TO SCALE

11-04-16



- A. CABINET SHOULD BE LIFTED FROM THE FRONT.
- B. CABINET SHOULD NOT BE LIFTED FROM THE SIDES.
- C. RECOMMENDED DOOR SIZE IS 48" CLEAR IN WIDTH. MINIMUM DOOR SIZE IS 42" CLEAR IN WIDTH (36" DOOR IS NOT ACCEPTABLE).

3 UPS DELIVERY REQUIREMENTS

SCALE: NOT TO SCALE

07-17-14

TOSHIBA
MEDICAL

INT	DESCRIPTION	DATE	REV
J.A.D.	ORIGINAL PRELIMINARY DRAWING COMPLETED.	11-30-17	Δ
V.H.	NO CHANGES MADE TO THIS SHEET.	12-28-17	Δ

VA GAINESVILLE MALCOLM RANDALL MEDICAL CENTER	(AQUILION – ONE GENESIS SERIES)
1601 SW ARCHER RD GAINESVILLE, FL 32608	

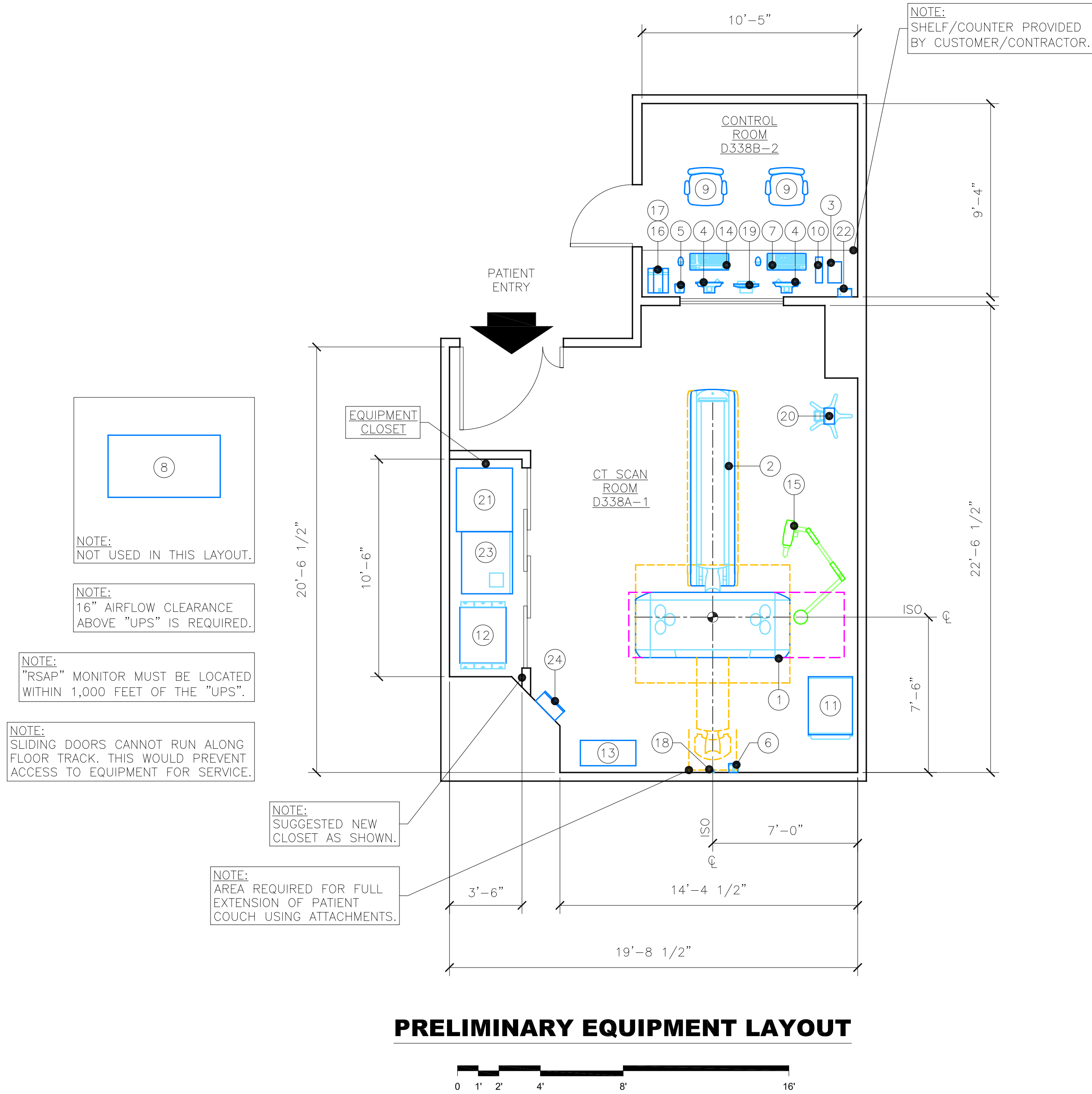
THESE TOSHIBA PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THAT AGREED UPON BETWEEN TOSHIBA AND THE CUSTOMER. THESE SITE PLANS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

DATE:	12-28-17
SCALE:	NOT TO SCALE
PLANNER:	V.H.
SID:	30047112

PROJECT NO.
170018619CTP1

GN2

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EQUIPMENT LEGEND					
ITEM	ELEC. SYM.	ITEM DESCRIPTION SUPPLIED AND INSTALLED BY TOSHIBA	BTU/HR	WEIGHT	REF.
1	GANT	AQUILION GANTRY (TYPE G)	*	5,159	1 A2
2	PCH	AQUILION HIGH CAPACITY PATIENT COUCH (EXTENDED W/LATERAL MOVEMENT)	*	1,941	1 A2
3	NAVI	NAVI BOX (TYPE A)	683	27	2 A2
4	MON	CONTROL MONITOR	192	18	3 A2
5	SPK1	SPEAKER (DESKTOP)	0	5	4 A2
6	SPK2	SPEAKER (WALL MOUNT)	0	5	4 A2
7	SKBD	KEYBOARD (SCAN)	0	6	- -
8	DESK	DESK FOR MONITORS & KEYBOARDS	0	221	5 A2
9	CHR	CHAIR	0	55	- -
10	INV	INNERVISION WORKSTATION	444	17	6 A2
11	CONB	CON BOX (TYPE A)	9,554	1008	7 A2
ITEM	ELEC. SYM.	ITEM DESCRIPTION - SUPPLIED BY TOSHIBA & INSTALLED BY CUSTOMER / CONTRACTOR	BTU/HR	WEIGHT	REF.
12	PD	POWER DISTRIBUTOR (TYPE G)	7,166	1,434	8 A2
ITEM	ELEC. SYM.	OPTIONAL ITEM DESCRIPTION - SUPPLIED & INSTALLED BY TOSHIBA	BTU/HR	WEIGHT	REF.
13	IREC	FIRST (FORWARD PROJECTED MODEL BASED INTERACTIVE RECONSTRUCTION SoluTion) CABINET	6,825	186	9 A2
14	DKBD	KEYBOARD (DISPLAY)	0	6	- -
15	INJ	MEDRAD INJECTOR (CEILING MOUNTED)	0	153	- -
16	INJC	MEDRAD INJECTOR BASE UNIT	320	14	- -
17	INJR	MEDRAD INJECTOR DISPLAY CONTROL UNIT W/STAND	0	9	- -
18	POC	PATIENT OBSERVATION CAMERA	0	0	1 A3
19	POM	PATIENT OBSERVATION MONITOR	-	7	1 A3
20	RWT	ECG MONITOR, R-WAVE TRIGGER (MODEL 7800) ON ROLL STAND	-	29	- -
ITEM	ELEC. SYM.	OPTIONAL ITEM DESCRIPTION - SUPPLIED BY TOSHIBA & INSTALLED BY CUSTOMER / CONTRACTOR	BTU/HR	WEIGHT	REF.
21	UPS	G8000 125 KVA UNINTERRUPTIBLE POWER SUPPLY	6,541	1,851	10 A2
22	RSAP	REMOTE STATUS ALARM PANEL FOR "UPS"	-	10	11 A2
23	BAT	BATTERY CABINET FOR "UPS" (16 MINUTE) (BC43)	SEE DETAIL	3,548	12 A2
24	PICM	PDU INRUSH CURRENT MONITOR	-	35	13 A2
* AQUILION GANTRY & COUCH BTU / HOUR:					
EXAM ROOM SCANNING 2 PATIENTS: 22,418 BTU/HR EXAM ROOM SCANNING 3 PATIENTS: 23,698 BTU/HR EXAM ROOM SCANNING 4 PATIENTS: 24,977 BTU/HR EXAM ROOM SCANNING 5 PATIENTS: 26,257 BTU/HR EXAM ROOM SCANNING MAXIMUM: 27,536 BTU/HR					
FUTURE GROWTH OF FACILITY MUST BE CONSIDERED WHEN FORECASTING PATIENT NUMBERS FOR A/C REQUIREMENTS.					
REVISED: 07-17-14					

SITE PLAN APPROVAL	
IN ORDER TO REQUEST A SET OF FINAL SITE PLANS, A CUSTOMER SIGNATURE IS REQUIRED BELOW. THE CUSTOMER'S SIGNATURE DEMONSTRATES ACCEPTANCE OF THE LAYOUT SHOWN AND ALL STATED SPECIFICATIONS. ALL NECESSARY AND DESIRED MODIFICATIONS ARE TO BE NOTED ON THIS SET AND SUBMITTED TO T.A.M.S. SITE PLANNING DEPARTMENT.	
CUSTOMER:	DATE:
SALES:	DATE:
I.P.M.:	DATE:

TOSHIBA
MEDICAL

VA GAINESVILLE
MALCOLM RANDALL MEDICAL CENTER

(AQUILION – ONE GENESIS SERIES)

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DATE: 12-28-17

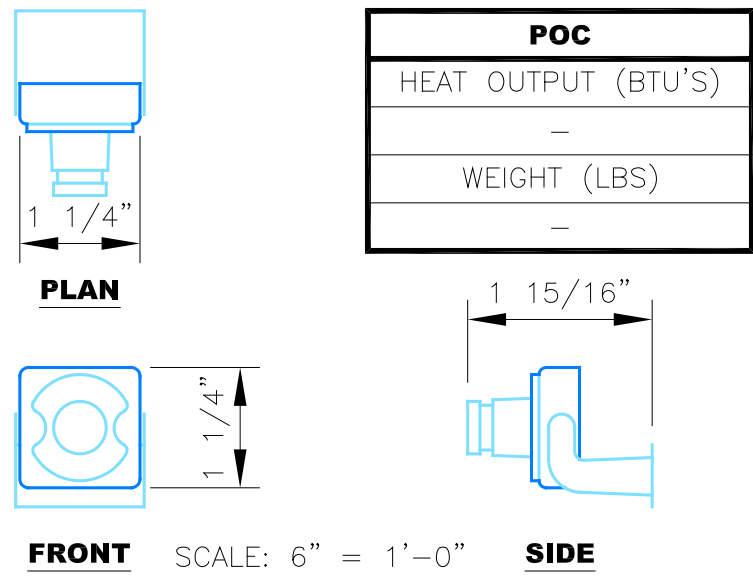
SCALE: 1/4" = 1'-0"

PLANNER: V.H.

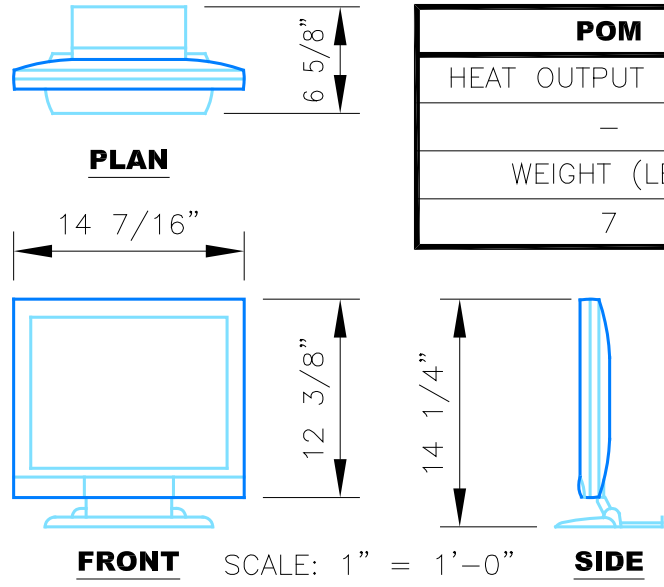
SID: 30047112

PROJECT NO.
170018619CTP1

A1



POC
HEAT OUTPUT (BTU'S)
—
WEIGHT (LBS)
—



POM
HEAT OUTPUT (BTU'S)
—
WEIGHT (LBS)
7

1

**PATIENT OBSERVATION
CAMERA & MONITOR**
SCALE: AS NOTED 07-29-15

**TOSHIBA
MEDICAL**

REV	DATE	DESCRIPTION	INT
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		A3	

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