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| | | Leading Innovation |) |
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| REVISED SHEET(S) | | | | | | | |
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| AN AN AGI ANI PL | D SH Y PU REED D TH ANS | HALL IRPOS UPO E CL ARE | NOT SE O ON B JSTOI NO | THEF THEF ETWE MER. | POSE USI THA THE DBE PUR | ED F AN TH TOSH SE S E US | OR HAT IBA SITE SED |
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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 US BY HAVING THE CONTRACTOR OR YOUR REPRESENTATIVE COMPLETE THE FOLLOWING: ALL WALLS, FLOORS, AND CEILINGS FINISHED. WALLS PAINTED, FLOORS TILED, AND CEILING GRID WORK AND FIXTURES INSTALLED. MONOLITHIC OR LAY-IN CEILING? PLEASE CIRCLE ONE. ALL MATERIALS IN SCAN | ROOM MUST BE NON—FERROUS. 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. AREA SET ASIDE FOR EQUIPMENT RIGGING AND MOVE-IN. ENVIRONMENTAL ISSUES ADDRESSED AND RESOLVED PRIOR TO EQUIPMENT DELIVERY (I.E. SURGICAL SUITE). ALL CONDUIT, TROUGHING (WITH COVERS), AND BOXES INSTALLED (CLEAN AND DUST FREE). GROMMETED OPENINGS, CHASE NIPPLES, RACEWAY DIVIDERS, ETC. COMPLETE. CIRCUIT BREAKER INSTALLED AND INCOMING POWER (PER POWER QUALITY REQUIREMENTS) OPERATIONAL AND CONNECTED TO ROOM BREAKER(S). LOCATION OF ALL ELECTRICAL BREAKERS IN POWER CHAIN NOTED. ALL CONTRACTOR-INSTALLED STRUCTURAL SUPPORT DEVICES INSTALLED AND LEVELED ACCORDING TO TAMS SPECIFICATIONS ON SITE PLANS. 9. ROOM LIGHTING INSTALLED AND OPERATIONAL. LIGHTING/SPRINKLER HEADS PRESENT NO CONFLICT WITH UNITS TO BE MOUNTED ON THE CEILING. 11. | 110V ROOM OUTLETS OPERATIONAL. ALL CONTRACTOR-SUPPLIED CABLES PULLED AND TERMINATED, INCLUDING GROUND WIRE IN TROUGHING AS SPECIFIED IN THE TOSHIBA SITE PLANS. INTERFACE FOR DIMMING OF ROOM LIGHTS IF APPLICABLE. WARNING LIGHTS AND 13. | DOOR SWITCHES INSTALLED AND INTERFACE AVAILABLE AND CONNECTED (RELAYS ETC.). 14. DUST-FREE ENVIRONMENT IN ALL RELATED ROOMS. HEATING AND AIR-CONDITIONING INSTALLED, OPERATIONAL AND STABILIZED PER TOSHIBA SITE PLANS. FILTERS TO BE CHANGED 24 HOURS BEFORE DELIVERY. 16. ALL MILLWORK COMPLETE AND INSTALLED. PLUMBING COMPLETED (INCLUDING GASES, IF APPLICABLE) ACCORDING TO TAMS SPECIFICATIONS ON SITE PLANS. 18. OPTIONAL COMPUTER FLOORING INSTALLED (IF APPLICABLE). THIRD PARTY VENDED ITEMS SUCH AS PROCESSORS, INJECTORS, GAS 19. PEDESTALS, PHYSIOLOGICAL MONITORING EQUIPMENT, ETC., INSTALLED AND OPERATIONAL. TELEPHONE LINES (VOICE AND OPTIONAL MODEM) INSTALLED AND OPERATIONAL. 20. A DEDICATED PHONE LINE IS REQUIRED FOR SITES THAT ARE RECEIVING INNERVISION. 21. ALL UNFINISHED AREAS ARE SEALED OFF TO PREVENT DUST CONTAMINATION. RECEPTACLE FOR TRASH AVAILABLE (LARGE ENOUGH FOR SHIPPING CRATES IF REQUIRED). 23. | SUB BASE PLATE(S) INSTALLED (IF REQUIRED). 24. PDU" INSTALLED AND CONNECTED TO "CB". EPOXY LEVELING PAD INSTALLED BY (TOSHIBA OR CONTRACTOR)? PLEASE CIRCLE ONE. IF BY CONTRACTOR, TOSHIBA REPRESENTATIVE MUST INSPECT PAD. SEISMIC REQUIREMENTS, AND REQUIRED SEISMIC ANCHORING DEVICES INSTALLED (IF APPLICABLE). 27. | NETWORK CONNECTIONS INSTALLED AND OPERATIONAL. 28. ALL APPLICABLE PERMITS OBTAINED. 29. 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: 10-07-1 **CEILING HEIGHT** RECOMMENDED CEILING HEIGHT: 9'-2" (SEE DETAIL 1 ON SHEET A3) EXISTING CEILING HEIGHT: 9'-6"

OVERHEAD X-RAY TUBE SUPPORT RAILS MUST NOT BE DIRECTLY OVER KALARE TABLE. IF OVERHEAD X-RAY TUBE SUPPORT RAILS ARE DIRECTLY ABOVE KALARE TABLE, THE CEILING HEIGHTS SHOWN MUST BE INCREASED BY THE DEPTH OF THE RAIL (APPROXIMATELY 4").

GENERAL NOTES

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

- A. TOSHIBA RESERVES THE RIGHT TO CHANGE THESE DESIGNS AND SPECIFICATIONS
- WITHOUT NOTICE. B. 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.
- C. ANY CABINETRY THAT MAY BE REQUIRED TO HOUSE VIDEO RECORDERS, MONITORS KEYBOARDS, OR OTHER ANCILLARY EQUIPMENT SHALL BE SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.
- D. THE CUSTOMER/CONTRACTOR SHALL PROVIDE ADEQUATE VENTILATION WITHIN CABINETRY AND INSTALL AXIAL FANS ON THE TOP, SIDE, OR BACK OF CABINETS, IF
- E. 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. F. IF REQUIRED, THE CUSTOMER/CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN INTERCOM SPEAKER SYSTÉM BETWEEN THE EQUIPMENT ROOM, CONTROL ROOM,
- G. 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.
- H. CUSTOMER/CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING AN OPERATING PHONE IN THE CONTROL ROOM AT THE TIME TOSHIBA EQUIPMENT INSTALLATION
- CUSTOMER/CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ADEQUATE LIGHTING FOR SERVÍCING OF EQUIPMENT IN ALL AREAS OF THE INSTALLATION.
- J. 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
- K. CUSTOMER/CONTRACTOR/ARCHITECT SHALL BE RESPONSIBLE FOR PROVIDING THE ENTIRE NETWORKING AND COMMUNICATION SYSTEMS.

PRIOR TO DELIVERY AND DETERMINE ACCEPTABILITY FOR DELIVERY.

L. CUSTOMER/CONTRACTOR SHALL DESIGN, FABRICATE, AND INSTALL MEDICAL GAS PEDESTAL, IF REQUIRED. CONSULT WITH TOSHIBA INSTALLATION MANAGER FOR SUITABLE LOCATIONS.

CODES AND PERMITS

AND PROCEDURE ROOM.

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

SITE CONDITIONS

- DIMENSIONS TO WALLS AND OR OTHER ROOM FEATURES, EXCEPT FOR NOTED COLUMN AND BEAM CENTER LINES SHALL BE FROM FINISHED SURFACES.
- O. IT IS RECOMMENDED THAT XR EQUIPMENT REMAIN OUTSIDE 1 GAUSS FIELD OF MR EQUIPMENT.

P. PLUMBING IS REQUIRED FOR CERTAIN COMPONENTS OF TOSHIBA EQUIPMENT.

10-07-1

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

TRANSPORT REQUIREMENTS

EQUIPMENT INGRESS ROUTE MUST BE CHECKED PRIOR TO EQUIPMENT DELIVERY TO ENSURE THE LARGEST AND HEAVIEST ITEMS OF EQUIPMENT CAN BE ACCOMMODATED, DIMENSIONS OF DOORWAYS SHOULD BE NO LESS THAN 4'-0" IN WIDTH.

S. CONTACT THE TOSHIBA INSTALLATION PROJECT MANAGER FOR DETAILS OF THE LARGEST AND HEAVIEST ITEMS OF EQUIPMENT FOR THIS INSTALLATION.

10-07-1

CUSTOMER TO PROVIDE THE NECESSARY HVAC REQUIREMENTS

FOR THE TOSHIBA EQUIPMENT TO OPERATE PROPERLY.

AMBIENT TEMPERATURE SHOULD BE IN ACCORDANCE WITH THE FOLLOWING FOR CORRECT EQUIPMENT OPERATION AND PATIENT/OPERATOR COMFORT.

HVAC REQUIREMENTS

- A. AIR-CONDITIONING FACILITIES MUST BE PROVIDED TO ENSURE THAT THE AMBIENT TEMPERATURE AND RELATIVE HUMIDITY ARE MAINTAINED WITHIN THE OPERATING ENVIRONMENTAL CONDITIONS.
- AIR SUPPLY DUCTS SHOULD NOT BE PLACED DIRECTLY OVER EXAMINATION TABLES FOR PATIENT COMFORT.
- EQUIPMENT IN ENCLOSED SPACES SUCH AS EQUIPMENT ROOMS, TRANSFORMER CLOSETS, AND COMPUTER ROOMS MUST BE PROVIDED WITH ADEQUATE VENTILATION. THE AIR FLOW THROUGH TOSHIBA EQUIPMENT CABINETS IS FROM BOTTOM TO TOP. WHERE POSSIBLE, A/ SUPPLY OUTLETS SHOULD BE LOCATED AT FLOOR LEVEL WITH RETURN GRILLES IN THE CEILING. A/C SUPPLY OUTLET TO BE PROVIDED BY CUSTOMER FLOOR LEVEL AT CONTROL
- TO MAINTAIN THE ENVIRONMENTAL CONDITIONS SPECIFIED BELOW, INSTALL AN AIR-CONDITIONER, DEHUMIDIFIER, ETC. WITH APPROPRIATE PERFORMANCE RATINGS FOR THE EXAMINATION ROOM SIZE.

| MBIENT TEMPERATURE | 10°C TO | 35°C | | | |
|-------------------------|--|---|---|--|---|
| RELATIVE HUMIDITY | 30% TO | 85% (NO CONDEN | SATION | | |
| ATMOSPHERIC PRESSURE | 700 hPa | TO 1,060 hPa | | | |
| ILLUMINANCE | 1000 LX | OR LESS | | | |
| ATMOSPHERE | ENVIRONN DO NOT TO THE DRIPPING | INSTALL THE SYST MENTAL CONDITION: INSTALL THE SYST FOLLOWING: FLAMM WATER, EXCESSIV E SHOCK OR VIBE | S SPECIFIED AE EM IN A LOCAT MABLE GASES, C 'E DUST, SALTY | BOVE ARE NOT SATION WHERE IT MA CORROSIVE GASES, AIR, DIRECT SUN | TISFIED. ALSO Y BE EXPOS STEAM, LIGHT, |
| | | | | | |
| SYSTE | EM NAME | HEAT GENERATION | (BTU/HR) | POWER CONSUMP | 'TION (kW) |
| | | | | | |

DUA-450F 1,239.00 0.027 (DURING STANDBY)

KXO-80XD 7,678.00 1,164.00 (FOR CONTINUOUS FLUOROSCOPY ONLY)

2,731.00 APPROX. (DURING STANDBY)

STRUCTURAL NOTES

- CUSTOMER/CONTRACTOR IS RESPONSIBLE FOR THE FOLLOWING UNLESS OTHERWISE NOTED THESE SITE PLANS ARE INTENDED TO DEPICT ONLY A CONCEPT OF THE STRUCTURE REQUIRED FOR THE TOSHIBA EQUIPMENT. THE DESIGN OF ALL STRUCTURAL ELEMENTS MUST BE SPECIFIED BY A LICENSED STRUCTURAL ENGINEER IN ACCORDANCE WITH TOSHIBA SPECIFICATIONS AND ALL APPLICABLE CODES.
- B. THE CUSTOMER/CONTRACTOR SHALL FIELD VERIFY ALL EXISTING AND PROPOSED DIMENSIONS AND SITE CONDITIONS PRIOR TO COMMENCING CONSTRUCTION.
- C. THE TOSHIBA INSTALLATION PROJECT MANAGER SHALL BE NOTIFIED IN WRITING OF ANY FIELD CONDITIONS ENCOUNTERED THAT ARE CONTRADICTORY TO THOSE SHOWN IN THE
- D. THE DEMOLITION, FABRICATION AND ERECTION OF SUPPORT STRUCTURES FOR TOSHIBA EQUIPMENT SHALL BE PERFORMED BY THE CUSTOMER/CONTRACTOR IN ACCORDANCE WITH THE DESIGN AND SPECIFICATIONS SET FORTH BY THE STRUCTURAL ENGINEER OF
- E. DUE TO THE DYNAMIC NATURE OF THE LOAD, BOTH HORIZONTAL AND VERTICAL ACCELERATIONS SHOULD BE INCLUDED IN THE DESIGN CALCULATIONS FOR THE SUPPORT STRUCTURE AS WELL AS ANCHORING AND THRU-BOLTING FOR THE TOSHIBA EQUIPMENT (FOR EXAMPLE, CEILING INJECTORS OR MONITORS).
- F. IN THE INTEREST OF SAFETY, TOSHIBA RESERVES THE RIGHT TO DELAY INSTALLATION COMMENCEMENT UNTIL RECEIPT OF STRUCTURAL DESIGN DRAWINGS STAMPED BY THE STRUCTURAL ENGINEER OF RECORD.

UNDER NO CIRCUMSTANCE SHOULD THE TOSHIBA EQUIPMENT BE INSTALLED ON A WOOD

- H. THE FLOOR MUST USE CONCRETE WITH A LOAD STRENGTH OF AT LEAST 2,560 PSI (1,760 M/cm²) OVER THE ENTIRE FLOOR SURFACE.
- I. THE DEPTH OF CONCRETE MUST BE AT LEAST 5 1/8" (130 mm).
- J. THE LEVELNESS SLOPE IN THE LONGITUDINAL DIRECTION SHOULD BE LESS THAN 1/16" OVER 5'-9" RUN (1 mm OVER 1,100 mm).
- K. THE LEVELNESS SLOPE IN THE LATERAL DIRECTION SHOULD BE LESS THAN 1/16" OVER 3'-9" RUN (1 mm OVER 713 mm).
- L. EVENNESS OF FLOOR UNDER BASE SHOULD BE LESS THAN 1/32" (1 mm).
- M. IF EPOXY LEVELING OF THE FLOOR IS REQUIRED FOR THE FLOOR MOUNTED EQUIPMENT IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SUPPLY AND PERFORM THIS TASK WITH ASSISTANCE OF TOSHIBA. THE EPOXY BASE MUST HAVE A CURE RATING OF 15,000 PSI MINIMUM.

CEILING STRUCTURAL SYSTEM N. CEILING UNISTRUT SUPPORT STRUCTURES TO BE DESIGNED BY OTHERS BASED ON

- SPECIFICATIONS SHOWN ON TOSHIBA SITE PLANS.
- O. UNISTRUT OR EQUIVALENT CHANNEL SUPPORT SYSTEM TO BE SUPPLIED AND INSTALLED BY CUSTOMER/CONTRACTOR.
- P. IN ORDER TO AVOID COLLISION WITH MOVEABLE TOSHIBA CEILING MOUNTED EQUIPMENT, ALL CEILING FIXTURES SUCH AS LAMPS, SMOKE DETECTORS, SPRINKLERS, ETC. MUST B FLUSH MOUNTED.
- Q. CONTRACTOR TO SUPPLY M10 UNISTRUT NUTS.

ACCESS NOTES

CUSTOMER/CONTRACTOR TO PROVIDE TWO 18" X 18" CEILING ACCESS PANELS FOR SERVICING OF CEILING MOUNTED EQUIPMENT WHEN INSTALLED ON HARD FINISHED CEILINGS. A MINIMUM CLEARANCE OF 12" ABOVE FINISHED CEILING IS REQUIRED IN THE AREA OF THE ACCESS PANELS.

UNISTRUT ARE TO BE P1001 OR EQUIVALENT. MOUNTED FLUSH WITH FINISHED CEILING. ALL UNISTRUT ARE TO BE MOUNTED PARALLEL AND LEVEL WITH A MAXIMUM DEVIATION OF 1/16". UNISTRUT IS TO BE CAPABLE OF SUPPORTING LOAD REQUIREMENTS OF TOSHÍBA EQUIPMENT. UNISTRUT LOAD REQUIREMENTS AND DESIGN ARE THE RESPONSIBILITY OF THE STRUCTURAL ENGINEER OF RECORD.

10-07-1

SPECIAL NOTES SPECIAL SEISMIC CERTIFICATION

- WHERE SPECIAL SEISMIC CERTIFICATION IS REQUIRED BY CODE THE STRUCTURAL ENGINEER OF RECORD SHALL BE RESPONSIBLE FOR NOTIFYING TOSHIBA'S INSTALLATION PROJECT MANAGER IN WRITING OF THE SEISMIC PERFORMANCE CATEGORY (SPC) RATING OF THE BUILDING IN WHICH TOSHIBA EQUIPMENT IS TO BE INSTALLED. FOR INSTALLATIONS IN A BUILDING RATED SPC3 OR HIGHER TOSHIBA
- WILL APPLY SPECIAL SEISMIC CERTIFICATION LABELING PER CBC SECTION 1703.5. B. THE FOLLOWING COMPONENTS HAVE SPECIAL SEISMIC CERTIFICATION:

B.A. OSP-0133-10 TABLE CONTROL UNIT PULSED FLUOROSCOPY UNIT DTS 100S OTC OVERHEAD TUBE CRANE GENERATOR CONTROL PANEL WALL STAND POWER SUPPLY TW-420-T BUCKY STAND (AS APPLICABLE) TW-420 BUCKY STAND (AS APPLICABLE) GENERATOR CABINET IDI 1000F-1 SINGLE SUSPENSION KALARE X-RAY DIAGNOSTIC TABLE MONITOR KEYBOARD MOUSE B.B OSP-0281-10 SYSTEM CABINET MAIN PROCESSING UNIT

- TW-420-T-D TILTING BUCKY STAND (AS APPLICABLE) TW-420-D NON-TILTING BUCKY STAND (AS APPLICABLE) B.C. OSP-0133-10
- POWER DISTRIBUTION UNIT (AS APPLICABLE)
- WEIGHTS SHOWN ON THE OSP DOCUMENTS ARE GENERALLY A MAXIMUM AND THE WEIGHTS SHOWN ON THESE SITE PLANS REFLECT THE EQUIPMENT AS ORDERED.

ELECTRICAL REQUIREMENTS FOR KALARE SYSTEM WITH PDU

SUPPLY CONFIGURATION: 3 PHASE DELTA CONNECTED, 86 kVA SERVICE

SUPPLY VOLTAGE: 480V - 80 AMP

10-07-1

ELECTRICAL NOTES

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

- 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, A/C POWER RECEPTACLES, THERMOSTATS, EMERGENCY OFF BUTTONS. AND 12 VOLT POWER. 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
- 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 200 LB. CONCENTRATED LOAD.
- ALL ACCESS HOLES ARE TO BE MADE IN THE DUCT WORK PER TOSHIBA SITE PLANS. ACCESS HOLES MUST BE GROMMETED WITH NON-CHAFING MATERIAL SUCH AS RUBBER/PLASTIC OR SLEEVED WITH A SHORT NIPPLE WITH NON-ABRASIVE BUSHINGS.
- J. ALL CHASE OPENINGS SHALL HAVE PLASTIC/NYLON BUSHINGS.
- K. ALL WALL DUCT WORK SHALL HAVE A MINIMUM OF THREE COMPARTMENTS. TRANSITIONS SUCH AS HORIZONTAL TO VERTICAL WALL DUCT OR 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 WORK MAKING A 90 DEGREE ANGLE MUST BE CHAMFERED FOR CABLE
- M. ALL DUCT AND CONDUITS SHALL BE ELECTRICALLY BONDED AS A GROUNDING PATH IN ACCORDANCE WITH NEC ARTICLE 517-13(B).
- N. CUSTOMER/CONTRACTOR SHALL SUPPLY AND INSTALL GREENLEE NYLON MEASURING PULL STRING OR EQUIVALENT IN ALL CONDUITS AND CLOSED DUCT WORK.
- O. ALL CONDUIT RUNS MUST TAKE THE SHORTEST MOST DIRECT ROUTE POSSIBLE.
- P. CONDUIT RUNS MAY HAVE A MAXIMUM OF (3) 90° BENDS.
- Q. 110VAC GROUNDED OUTLETS SHALL BE PROVIDED ON WALLS NEAR THE TOSHIBA
- 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
- 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).
- 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.
- U. 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.

06-01-1

44 S S

THESE TOSHIBA PLANS ARE FO INFORMATIONAL PURPOSES ONL AND SHALL NOT BE USED F ANY PURPOSE OTHER THAN THA AGREED UPON BETWEEN TOSHIBA AND THE CUSTOMER. THESE PLANS ARE NOT TO BE USE FOR CONSTRUCTION PURPOSE

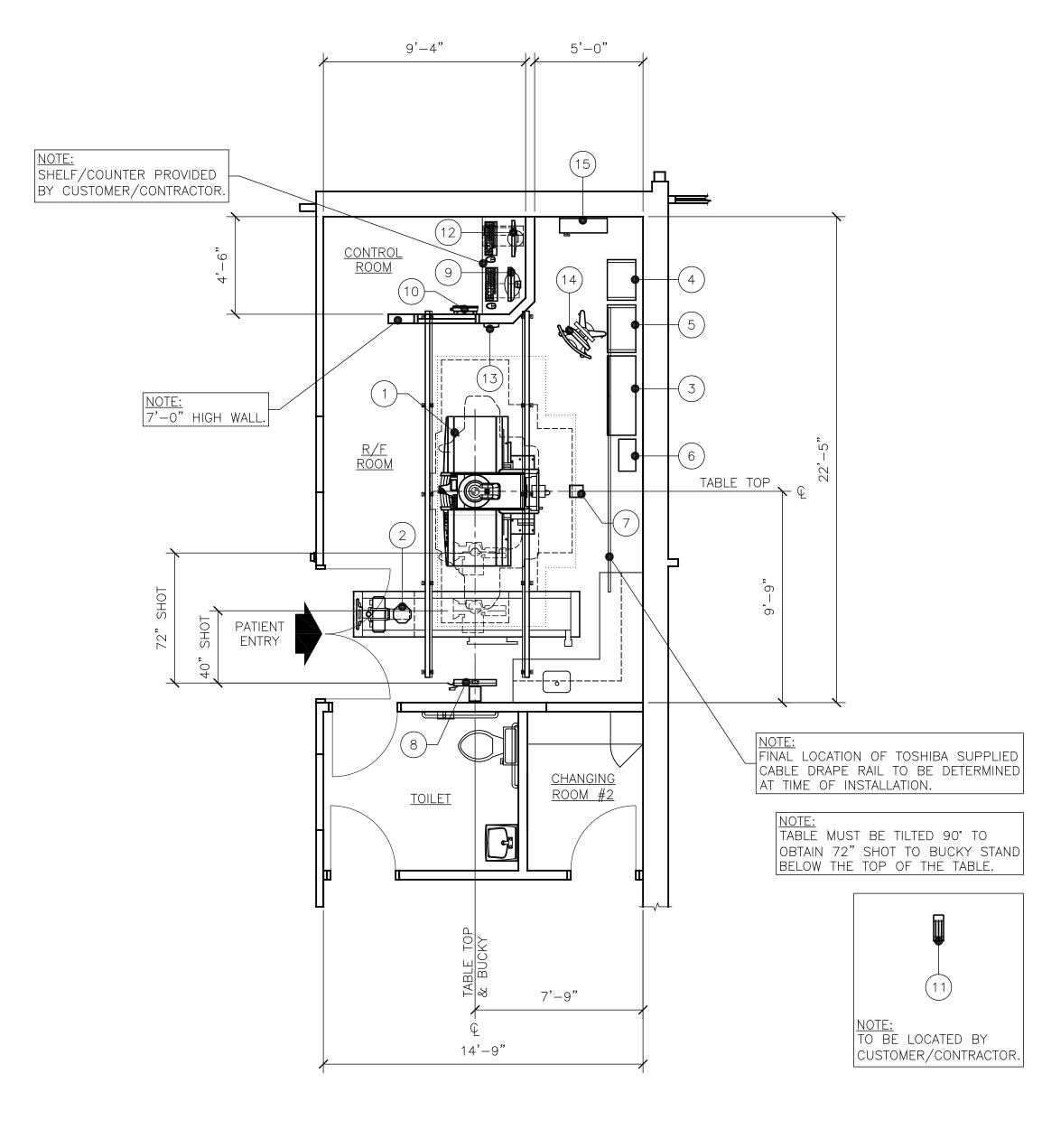
11-13-13

NOT TO SCALE

PLANNER: M.S. SID NO: 30005332

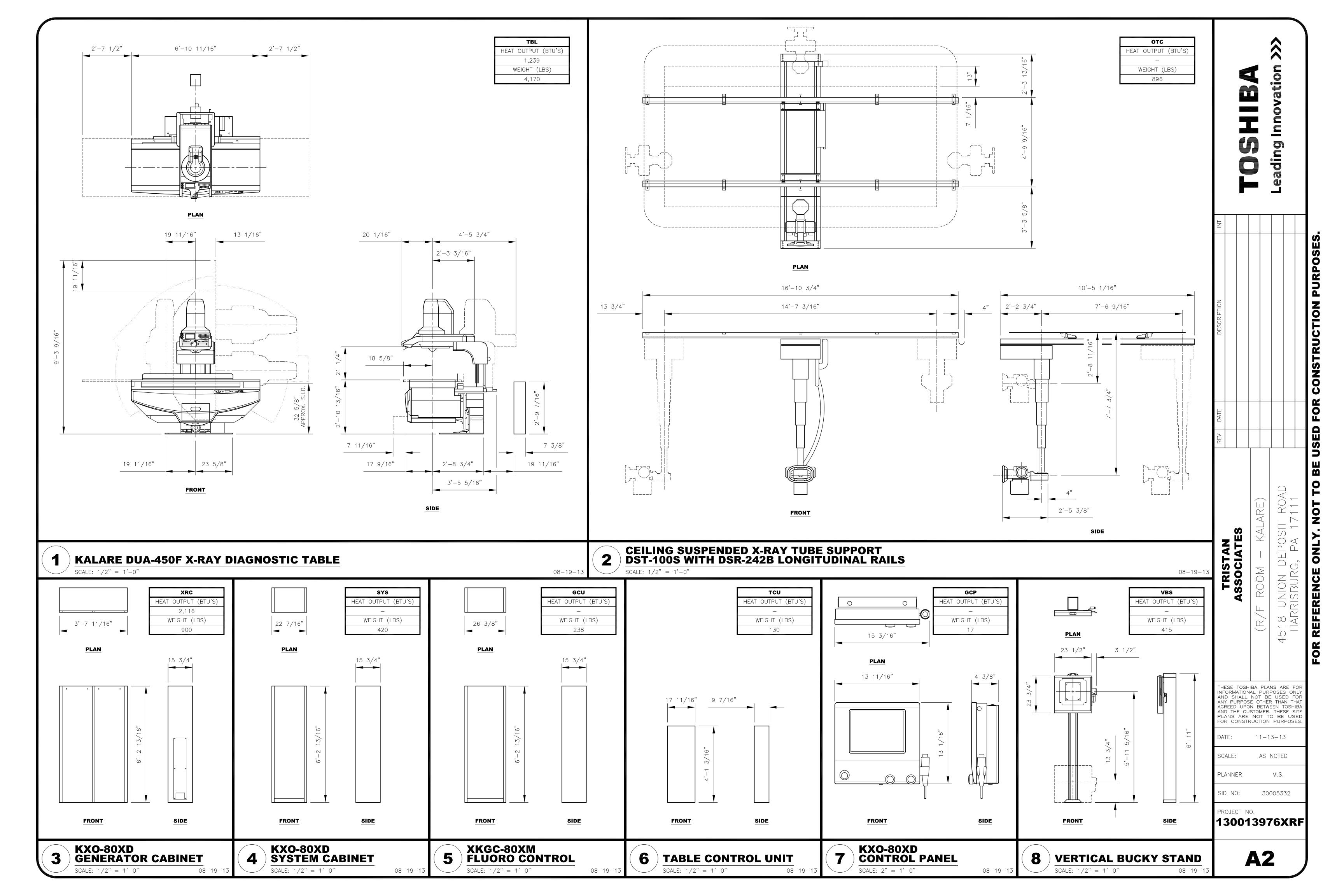
PROJECT NO. 130013976XRF

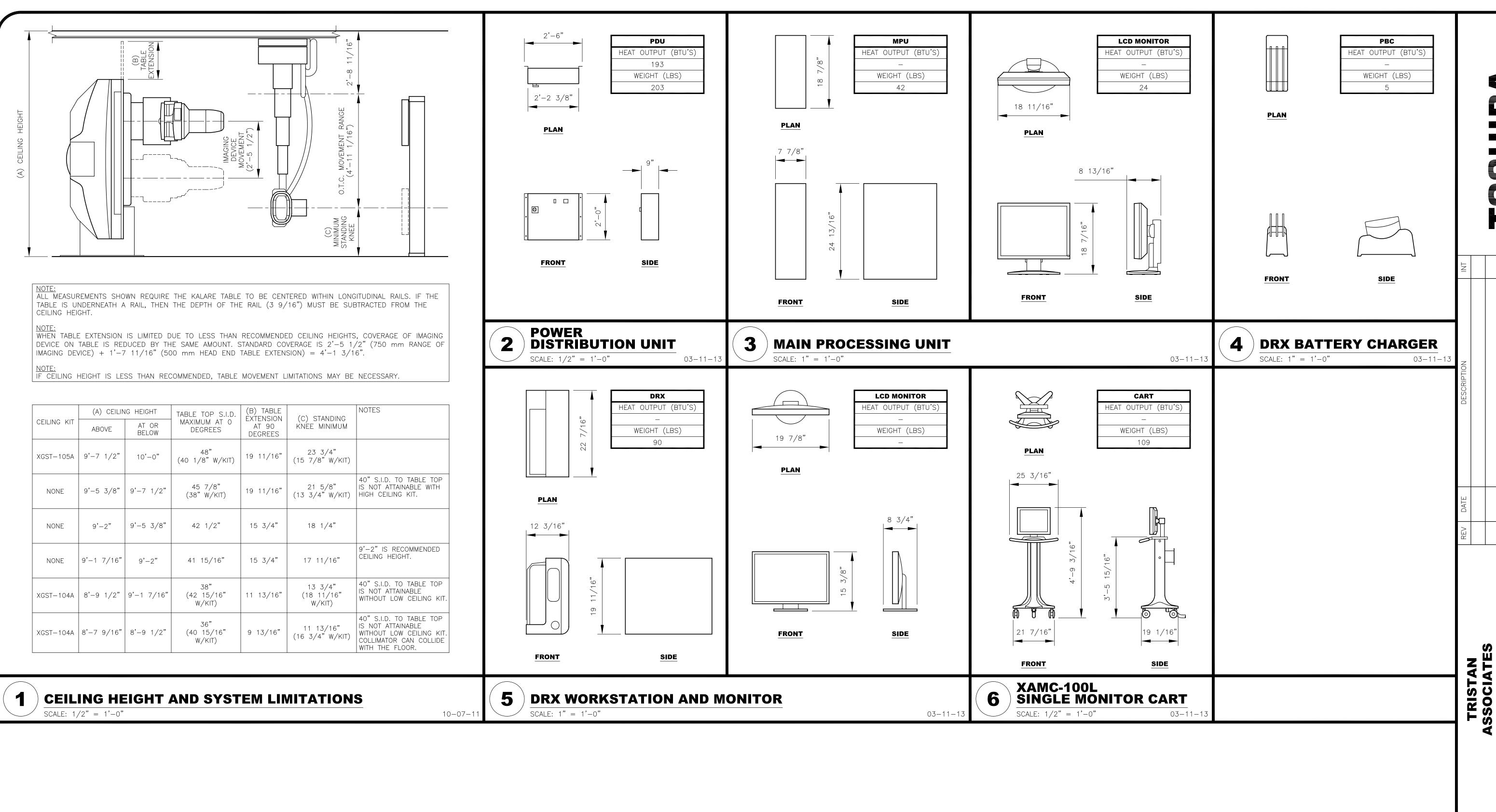
GN



| | LAYOUT | MENT | QUIP | EQ | | |
|----|--------|------|------|----|-----|---|
| | | | | | | |
| 16 | | 8' | 4' | 2' | 1 ' | 0 |

| | ELEC. | EQUIPMENT LEGEND ITEM DESCRIPTION | | \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\ | | 1 | | | \triangle |
|---------------|---------------|--|---------------|--|---|--|--|--|---|
| TEM | SYM. | SUPPLIED AND INSTALLED BY TOSHIBA DUA-450F X-RAY DIAGNOSTIC TABLE | BTU/HR | WEIGHT | REF. | | | | |
| $\frac{1}{2}$ | TBL | (WEIGHT INCLUDES 350 LB. PATIENT) DST-100S CEILING SUSPENDED TUBE SUPPORT | 1,239 | 4,170 | $\frac{1}{A2}$ | | | | 0 |
| 2 | OTC | W/DSR/242B RAILS AND CARRIAGE | _ | 896 | $\frac{2}{A2}$ | | | | ati |
| 3 | XRC | KXO-80XD GENERATOR CONTROL CABINET | 2,116 | 900 | $\frac{3}{A2}$ | | | | nnovation |
| 4 | SYS | SYSTEM CABINET ("RCU" WITHIN "SYS" CABINET) | _ | 420 | $\frac{4}{A2}$ | | | | |
| 5 | GCU | XKGC-80XM FLUORO CONTROL CABINET | _ | 238 | 5 A2 | | | n | D D |
| 6 | TCU | TABLE CONTROL UNIT | _ | 130 | 6 A2 | | | | eadir |
| 7 | TCS | TABLE CABLE STAND | _ | _ | $\frac{1}{A2}$ | | | | Lea |
| 8 | VBS | TW-420-R VERTICAL BUCKY STAND (RIGHT LOAD) | _ | 415 | 8 A2 | | | | |
| 9 | MPU | MAIN PROCESSING UNIT (MONITOR, PC, & KEYBOARD) | _ | 43 | $\begin{pmatrix} 3 \\ A3 \end{pmatrix}$ | ⊢ Z | | | |
| 10 | GCP | KXO-80XD GENERATOR CONTROL PANEL (WALL MOUNTED) | _ | 17 | 7 A2 | | | | |
| IEM | ELEC. SYM. | OPTIONAL ITEM DESCRIPTION SUPPLIED AND INSTALLED BY TOSHIBA | BTU/HR | WEIGHT | REF. | | | | |
| 11 | PBC | DRX WIRELESS PANEL BATTERY CHARGER | _ | 5 | 4 A3 | | | | |
| 12 | DRX | DRX WORKSTATION (WITH MONITOR, KEYBOARD, MOUSE) | _ | 90 | 5 A3 | Z | | | |
| 13) | WAP | DIGITAL PANEL WIRELESS ACCESS POINT | _ | 4 | | CRIPTION | | | |
| 14) | CART | XAMC-100L MONITOR CART (SINGLE MONITOR) | _ | 109 | A3 | DES | | | |
| | | | | | | REV DATE | | | |
| TEM | ELEC. SYM. | ITEM DESCRIPTION — SUPPLIED BY TOSHIBA & INSTALLED BY CUSTOMER / CONTRACTOR | BTU/HR | WEIGHT | REF. | | | | |
| 15) | PDU | POWER DISTRIBUTION UNIT | 193 | 203 | 2 A3 | TRISTAN | ASSOCIATES | (R/F ROOM - KALARE) | 4518 UNION DEPOSIT ROA[|
| | | | | | | INFOR AND ANY F AGREE AND T PLANS | MATION SHALL PURPOS ED UPO THE CU S ARE | NAL PUR NOT BI SE OTHE ON BETW USTOMER E NOT T | NS ARE I POSES O E USED F R THAN T EEN TOSH . THESE S O BE US I PURPOS |
| | | | | | | DATE: | | | 3-13 |
| | | | | | | SCALI | Ξ: | 1/4" | = 1'-0' |
| | | | | | | PLANI | NER: | | M.S. |
| | | SITE PLAN APPROVA | <u> </u> | 1 | <u> </u> | SID N | VO: | 30 | 005332 |
| | | USE THIS SET OF FINAL SITE PLANS, A CUSTOMER SIGNATURE IS FEMONSTRATES ACCEPTANCE OF THE LAYOUT SHOWN AND ALL STATED | REQUIRED BELO | | OMER'S | PROJ | ECT N | 10. | |
| CL | JSTOME | ER: | DATE: | | | 130 | 00 | 1397 | 76XI |
| SA | LES: | | DATE: | | | | | | _ |
| | | | | | | | | A1 | Ī |





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: 11-13-13

SCALE: AS NOTED

ARE

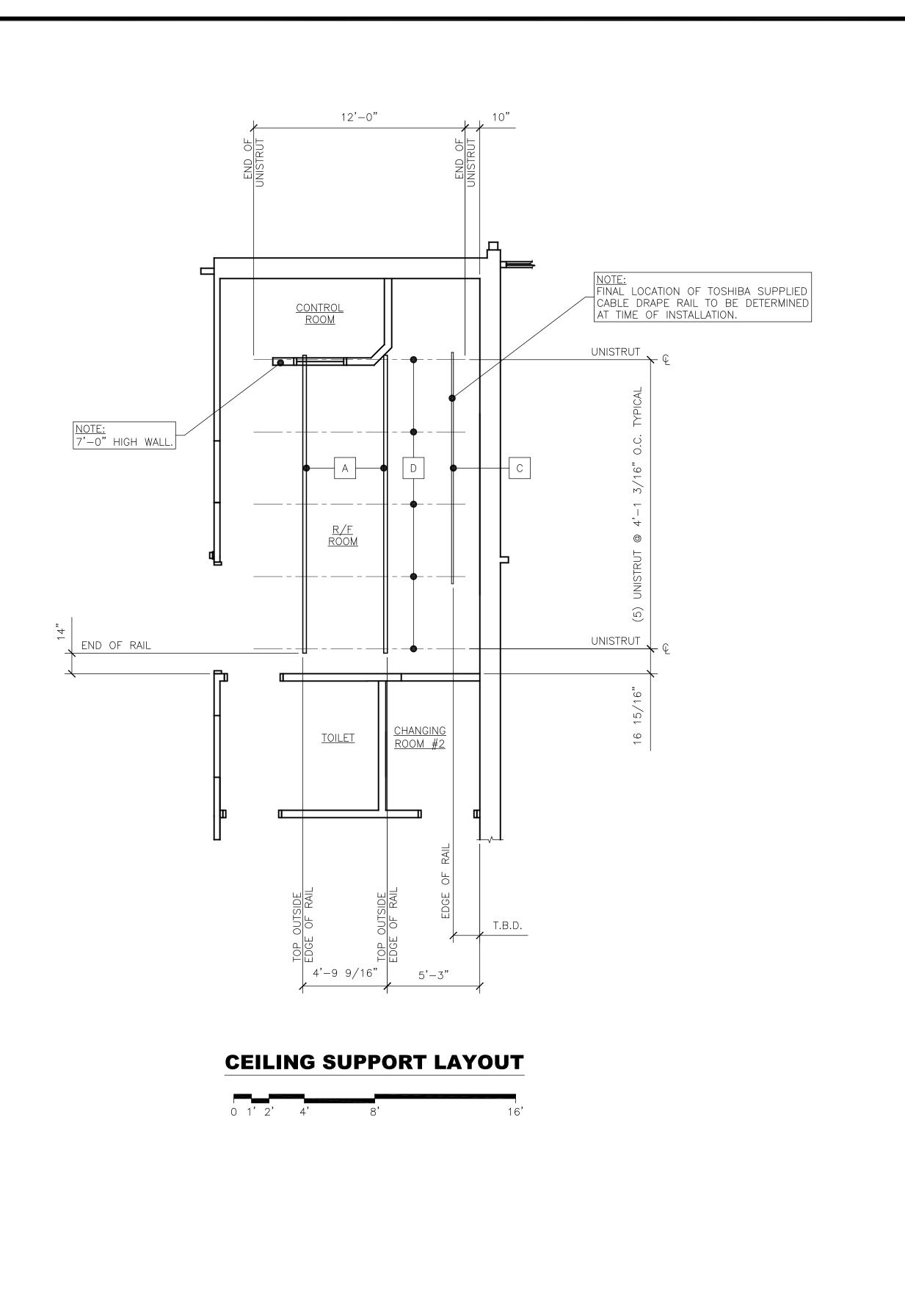
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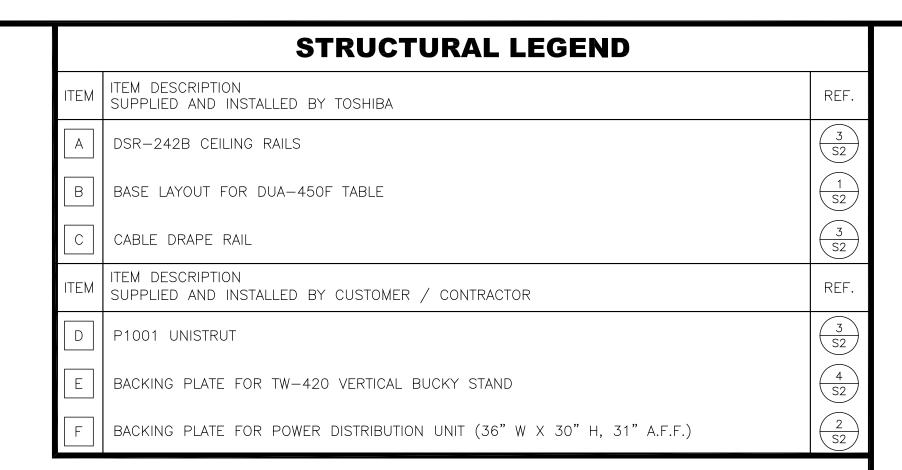
PLANNER: M.S.

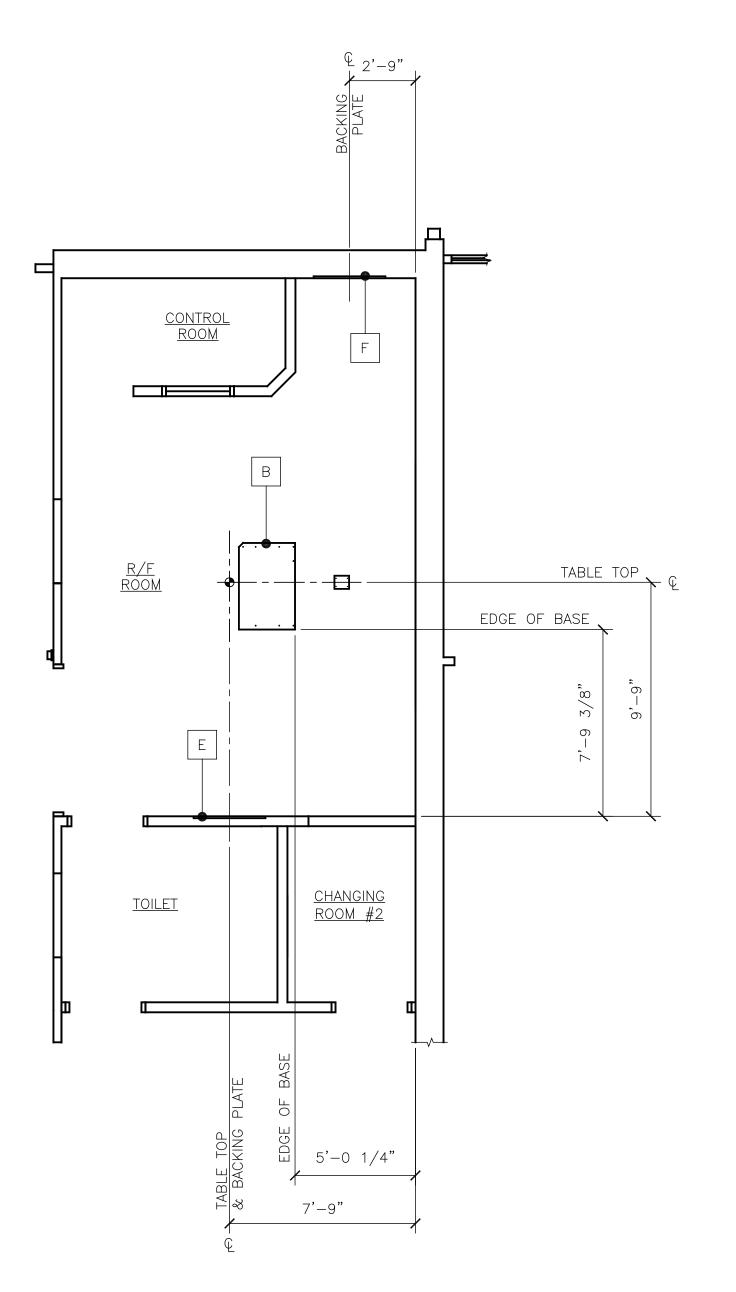
SID NO: 30005332

PROJECT NO. 130013976XRF

A3







FLOOR SUPPORT LAYOUT



| | • | Ceading Innovation >>> | |
|--|---|------------------------|--|
| | | | |
| | | | |

| REV DATE DESCRIPTION | | | E LISED FOR CONSTRICTION PHREOSES |
|---|--|---|-----------------------------------|
| TRISTAN ASSOCIATES | (R/F ROOM - KALARE) | 4518 UNION DEPOSIT ROAD HARRISBURG, PA 17111 | A CT TON YING |
| INFORMATI AND SHA ANY PURF AGREED U AND THE PLANS A | ONAL PU LL NOT E OSE OTHI PON BET CUSTOMEI RE NOT | | LY DR AT BA TE ED |

S1

130013976XRF

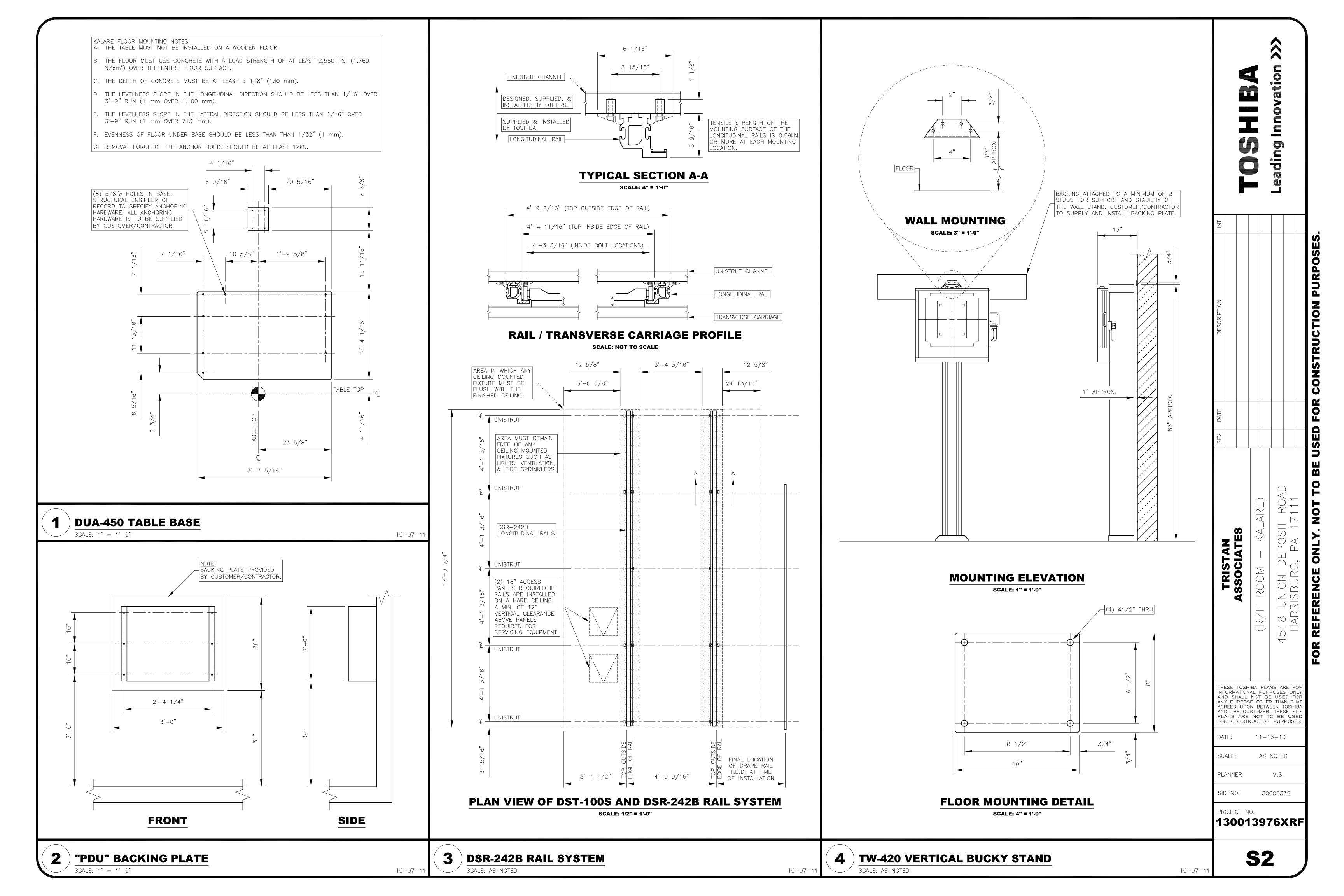
DATE: 11-13-13

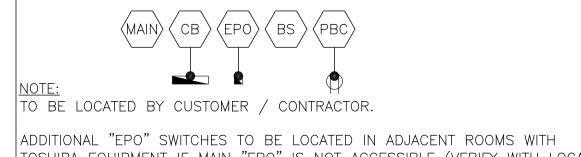
SCALE: 1/4" = 1'-0"

SID NO: 30005332

PLANNER:

PROJECT NO.





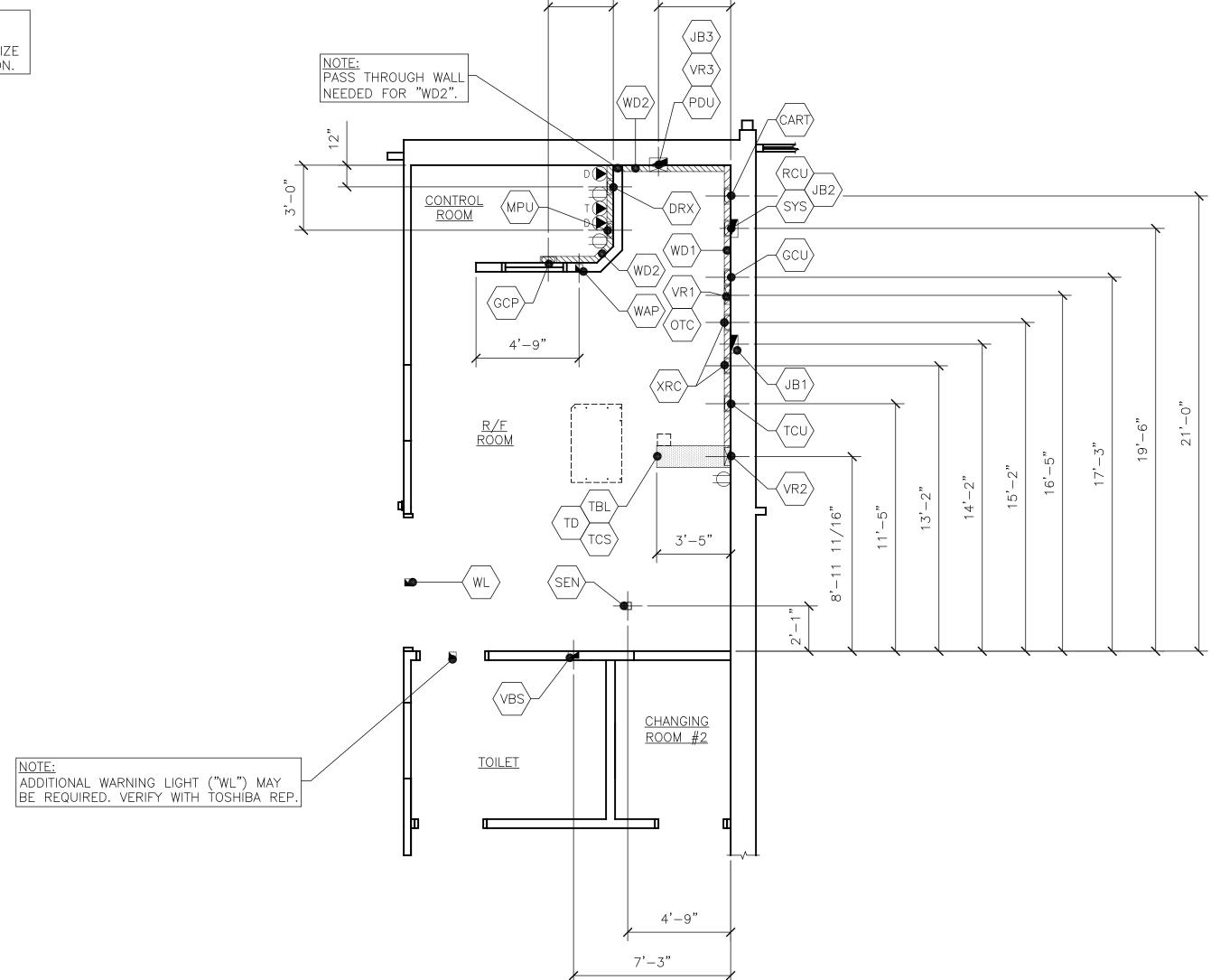
TOSHIBA EQUIPMENT IF MAIN "EPO" IS NOT ACCESSIBLE (VERIFY WITH LOCAL CODE). ALL "EPO" SWITCHES TO BE PROVIDED BY CUSTOMER / CONTRACTOR.

NOTE: J-BOX SIZES MAY BE INCREASED AS NEEDED.

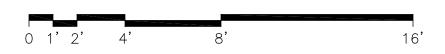
NOTE:
GROMMETED OPENINGS ARE SHOWN FOR REFERENCE ONLY. VERIFY SIZE AND LOCATION WITH TOSHIBA REPRESENTATIVE.

NOTE: CUSTOMER HAS THE OPTION TO FURR OUT WALL TO ACCOMMODATE FLUSH MOUNTED WALL DUCT IF DESIRED.

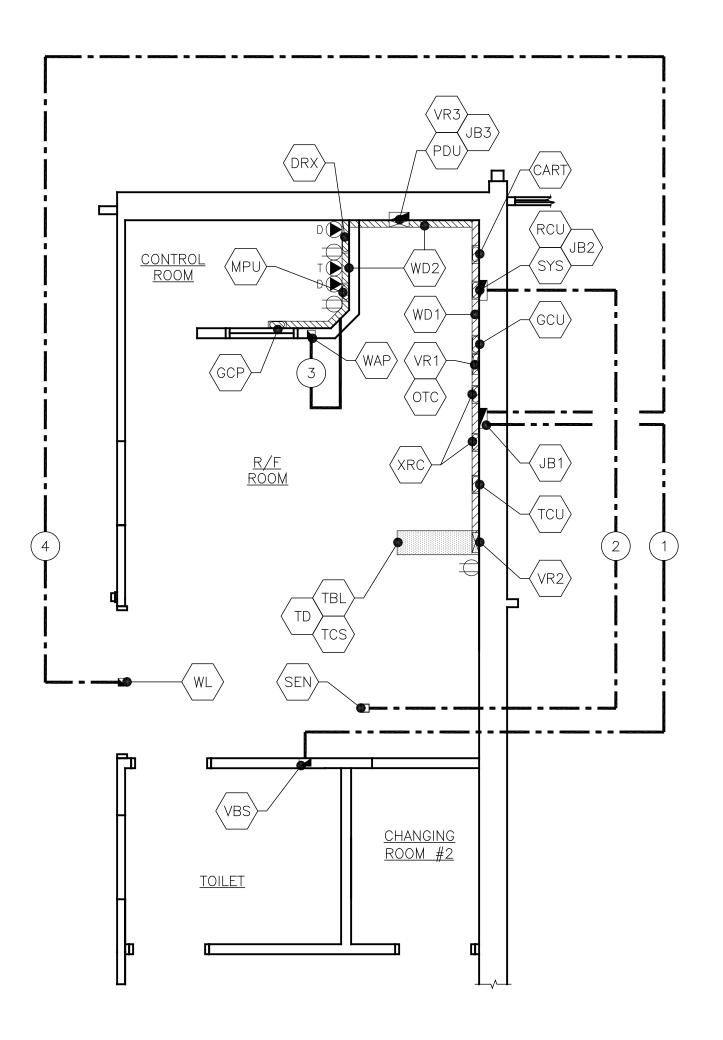
NOTE:
CUSTOMER/CONTRACTOR PROVIDED COVER REQUIRED TO
TOUR TYPOSED CABLES FROM "TCS" TO "TD". EXACT CONCEAL ÉXPOSED CABLES FROM "TCS" TO "TD". EXACT SIZE AND LOCATION TO BE DETERMINED AT TIME OF INSTALLATION.



ELECTRICAL LAYOUT

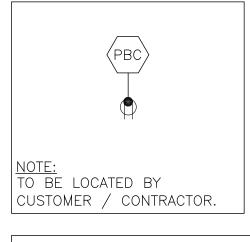


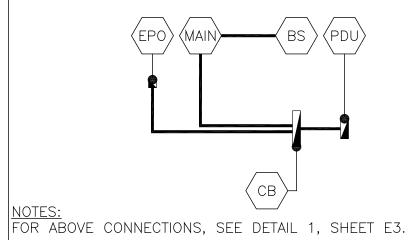
| | TEM DESCRIPTION | <u> </u> | | | ^ |
|----------------------|--|--------------------|---------------------|--------------------|---|
| | TEM DESCRIPTION SUPPLIED AND INSTALLED BY CUSTOMER / CONTRACTOR | REF. | | | |
| _/ | MAIN SERVICE ENTRANCE PANEL. | E3 | • | | |
| CB > | THREE PHASE CIRCUIT BREAKER PER TOSHIBA POWER QUALITY REQUIREMENTS. CIRCUIT BREAKER LOCATION PER CODE REQUIREMENTS BY ELECTRICAL CONTRACTOR. PREFERRED LOCATION IN CONTROL ROOM. | 1 E3 | | | novation |
| PDU | GROMMETED OPENING AT END OF "VR3", 34" A.F.F. | 3 E3 | | | 8 |
| | 4" STD. J—BOX FOR REMOTE OFF SWITCH. LOCATED BY CUSTOMER/CONTRACTOR. DPDT, NORMALLY OPEN MUSHROOM HEAD PUSH BUTTON. | 1 E3 | | | |
| BS | BUILDING STEEL. | 1 E3 | | h | *************************************** |
| | 4" STD. BOX J—BOX FOR "X—RAY ON" OR WARNING LIGHT MOUNTED ABOVE PATIENT ENTRY DOOR. | 2 E3 | | | ing |
| TBL) | CONNECTED TO TABLE CABLE STAND, "TCS". | | | | ead |
| rcs | 4 W X 4" L, GROMMETED OPENING IN "TD". | 3 E3 | | | Ĭ |
| DTC | 8" W X 3" H, GROMMETED OPENINGS IN "VR1", 14" BELOW FINISHED CEILING. | $\frac{3}{E3}$ | | | |
| SEN | 4" W X 4" L X 4" H, J—BOX FLUSH MOUNTED IN FINISHED CEILING. | | | | |
| ART | 8" W X 3" H, GROMMETED OPENING IN "WD1". | 3 E3 | | | |
| | (2) 8" W X 3" H, GROMMETED OPENINGS IN "WD1". | 3 E3 | | | |
| | 8" W X 3" H, GROMMETED OPENING IN "WD1". | 3 E3 | | | |
| | 8" W X 3" H, GROMMETED OPENING IN "WD1". | 3 E3 | NOILA | | |
| | 8" W X 3" H, GROMMETED OPENING IN "WD1". | 3 E3 | SCRIPT | | |
| | 8" W X 3" H, GROMMETED OPENING IN "WD1". | E3 3 E3 | DE | | |
| = | 6" W X 6" L X 4" H, J—BOX FLUSH MOUNTED IN WALL, 42" A.F.F. TO BOTTOM OF BOX. | E3 | | | |
| = | | 3 | | | |
| | 8" W X 3" H, GROMMETED OPENING IN "WD2". | E3 3 | | | |
| | 8" W X 3" H, GROMMETED OPENING IN "WD2". | E3 | DATE | | |
| | 8" W X 3" H, GROMMETED OPENING IN "WD2". | 3 E3 | | | |
| | 4" W X 4" L X 4" H, J-BOX FLUSH MOUNTED IN FINISHED WALL, 7'-0" A.F.F. OR MORE. | | REV | | |
| | DRX WIRELESS PANEL BATTERY CHARGER. 10" W X 10" H X 4" D, J-BOX FLUSH W/FINISHED WALL, MOUNTED 12" A.F.F. TO BOTTOM | 7 | | | |
| | OF BOX. OPEN TO "WD1". | 3 E3 | | | |
| | 10" W X 10" H X 4" D, J—BOX FLUSH W/FINISHED WALL, MOUNTED 12" A.F.F. TO BOTTOM OF BOX. OPEN TO "WD1". | 3 E3 | | | O |
| | 10" W X 10" H X 4" D, J-BOX FLUSH W/FINISHED WALL, MOUNTED 12" A.F.F. TO BOTTOM OF BOX. OPEN TO "WD1". | <u>3</u> <u>E3</u> | | LA R | |
| \cap | 110V ELECTRICAL OUTLETS FOR SYSTEM EQUIPMENT AND/OR SERVICE EQUIPMENT. OUTLETS TO BE LOCATED IN EACH ROOM WHERE SYSTEM EQUIPMENT IS LOCATED. | | | X | |
| △ D | RJ45 CONNECTOR, CAT5 CABLE TO BE USED FOR DATA CONNECTION FOR NETWORKING. | | │₹₹ | | |
| (| DEDICATED PHONE LINE SUPPLIED/INSTALLED BY CUSTOMER/CONTRACTOR. | | RIST SOCI | M00 | |
| | | | TF \SS\ | A O O | |
| | | | | | |
| | | | | A | |
| | | | | | 45 |
| | ELECTRICAL DUCT LEGEND | | | | |
| 1 1 1 1 | TEM DESCRIPTION SUPPLIED AND INSTALLED BY CUSTOMER / CONTRACTOR | REF. | | SHIBA PLA | |
| /D1> | 18" W X 3 1/2" D, FLUSH/SURFACE MOUNTED WALL DUCT W/(3) EQUALLY PARTITIONED COMPARTMENTS THROUGHOUT & REMOVABLE ACCESS COVERS. MOUNTED 10" A.F.F. TO | 3 E3 | AND SHA ANY PURF | LL NOT B | RPOSES ON E USED F R THAN TI VEEN TOSH |
| | BOTTOM OF DUCT. 10" W X 3 1/2" D, FLUSH/SURFACE MOUNTED WALL DUCT W/(3) EQUALLY PARTITIONED | 3 | AND THE PLANS A | CUSTOMER RE NOT | R. THESE S TO BE US N PURPOS |
| _/ | COMPARTMENTS THROUGHOUT & REMOVABLE ACCESS COVERS. MOUNTED 10" A.F.F. TO BOTTOM OF DUCT. CONNECTED TO "WD1". VERIFY DUCT SIZE WITH TOSHIBA REP. | E3 | DATE: | 11- | 13–13 |
| $\langle R1 \rangle$ | 10" W X 3 1/2" D, SURFACE MOUNTED RISER DUCT W/(3) EQUALLY PARTITIONED COMPARTMENTS THROUGHOUT & REMOVABLE ACCESS COVERS. FROM "WD1" TO ABOVE FINISHED CEILING. | 3 E3 | SCALE: | 1/4" | = 1'-0" |
| | 10" W X 3 1/2" D, FLUSH/SURFACE MOUNTED RISER DUCT W/(3) EQUALLY PARTITIONED COMPARTMENTS THROUGHOUT & REMOVABLE ACCESS COVERS. FROM "WD1" TO "TD". | 3 E3 | PLANNER | · | M.S. |
| /P 3 | 10" W X 3 1/2" D, FLUSH/SURFACE MOUNTED RISER DUCT W/(3) EQUALLY PARTITIONED | 3 | SID NO: | 30 | 005332 |
| | COMPARTMENTS THROUGHOUT & REMOVABLE ACCESS COVERS. FROM "WD2" TO "PDU". 12" W X 3 1/2" D, FLUSH MOUNTED METAL TRENCH DUCT W/(3) EQUAL PARTITIONED | E3 | PROJECT | NO. | |
| TD > | COMPARTMENTS THROUGHOUT & REMOVABLE ACCESS COVERS. (COVERS SHOULD BE ABLE TO SUPPORT MIN. OF 200 LBS.) | 3 E3 | 1300 | 139 | 76XF |
| | | | | | |



ELECTRICAL SCHEMATIC







ADDITIONAL "EPO" SWITCHES TO BE LOCATED IN ADJACENT ROOMS WITH TOSHIBA EQUIPMENT IF MAIN "EPO" IS NOT ACCESSIBLE (VERIFY WITH LOCAL CODE). ALL "EPO" SWITCHES TO BE PROVIDED BY CUSTOMER/CONTRACTOR.

ALL CABLES AND CONDUITS REQUIRED ARE TO BE PROVIDED BY CUSTOMER/CONTRACTOR.

| CAB | LE KEY |
|-----|-----------------------|
| | IN/UNDER FLOOR |
| | OVER CEILING |
| | CONTRACTOR DETERMINED |

CONDUIT SCHEDULE

| | | | CONTRACTOR | CONDUIT REFER | RENCE | | | тоѕнів | A CABLE REFERI | ENCE |
|------------|-------|------------------|--------------------------|-----------------------|--------------------------|----|---------------|------------------|------------------------------|-------------------------|
| RUN NO. | | DUIT O POINT) | CONDUIT (ROUTING) | CONDUIT (DIAMETER) | CONDUIT (MAX. LENGTH) | (P | CAI OINT T | BLE O POINT) | CABLE LENGTH (USABLE) | CABLES (SUPPLIED BY) |
| 1 | JB1 | \(\sqrt{VBS} \) | IN FLOOR | 2" | 30'-0" | | XRC | \(\sqrt{VBS} \) | SEE RUN "V" DETAIL (1/E4) | TOSHIBA |
| 2 | SEN | JB2 | OVER CEILING | 1" | 55'-0" | | SEN | SYS | SEE RUN "Y" DETAIL (1/E4) | TOSHIBA |
| 3 | WD2 | WAP | CONTRACTOR DETERMINED | 3/4" | 40'-0" | | DRX | WAP | 50'-0" | TOSHIBA |
| 4 | (JB1) | WL | OVER CEILING | 1/2" | PER CODE | | XRC | WL | PER CODE | CONTRACTOR |

- A. CONDUITS SUPPLIED/INSTALLED BY CUSTOMER/CONTRACTOR.

 B. ALL CONDUIT RUNS MUST TAKE THE SHORTEST MOST DIRECT ROUTE POSSIBLE.
- C. CONDUITS MAY HAVE A MAXIMUM OF (3) 90° BENDS. D. CONDUIT IS NOT TO BE RUN IN SUCH A MANNER THAT WILL ALLOW CABLE POINT TO POINT LENGTHS TO BE EXCEEDED AS SHOWN IN CONDUIT LEGEND.
- FINAL LENGTH OF CONDUIT TO BE DETERMINED IN FIELD BY I.P.M.

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| ASSOCIATES | |
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| CACA TINDATO MOINT X121 | |
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| I AINODOING, I AIN I I I I | |
| FOR REFERENCE ONLY NOT TO BE II | SED FOR CONSTRICTION PIIRPOSES |

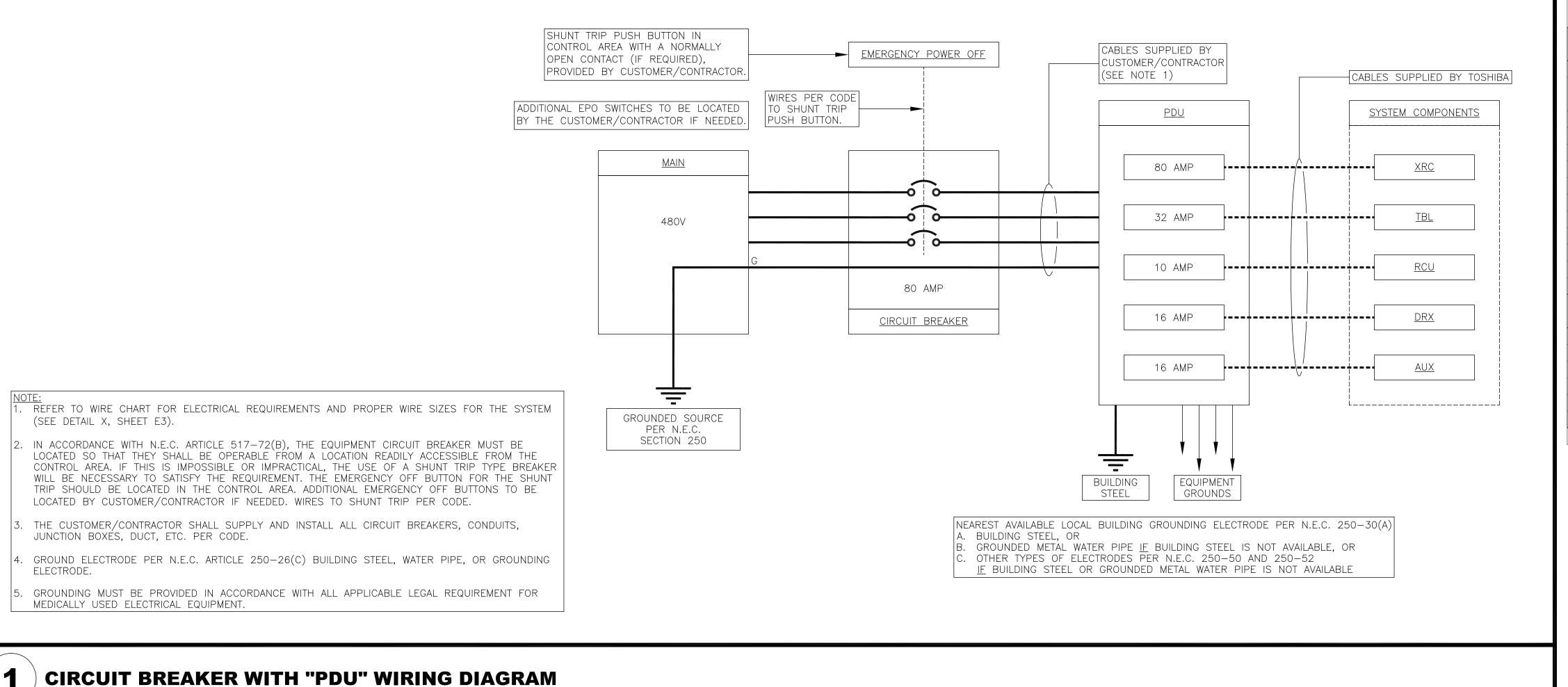
THESE TOSHIBA PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND SHALL NOT BE USED FOR ANY PURPOSE OTHER THAN THAT AGREED UPON BETWEEN TOSHIBA AND THE CUSTOMER. THESE SITE PLANS ARE NOT TO BE USED FOR CONSTRUCTION PURPOSES.

DATE: 11-13-13 SCALE: 1/4" = 1'-0"PLANNER: M.S.

SID NO: 30005332

PROJECT NO. 130013976XRF

E2



CUSTOMER SUPPLIED ! TOSHIBA SUPPLIED

RELAY

"X-RAY ON" OR WARNING LIGHT TO BE

PROVIDED BY CUSTOMER/CONTRACTOR.

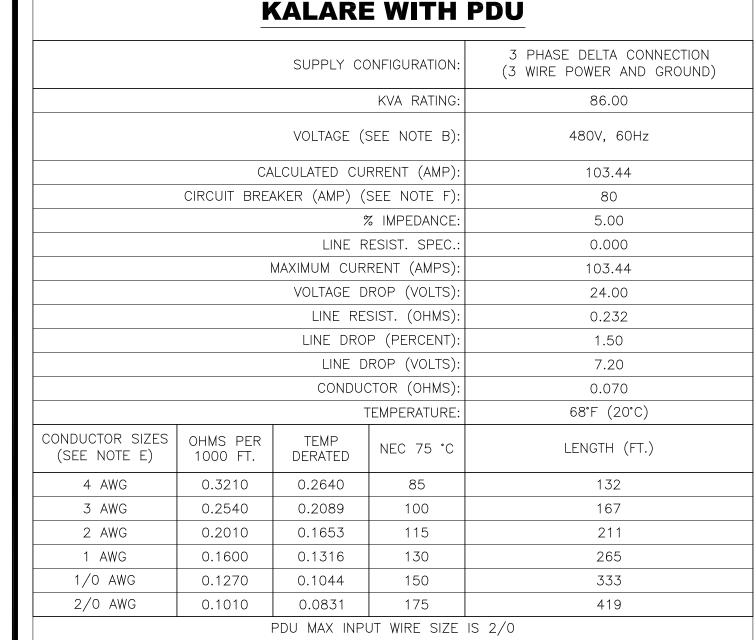
. USE INCANDESCENT FIXTURES ONLY.

"X-RAY ON" OR

WARNING LIGHT ON

PER TOSHIBA X-RAY

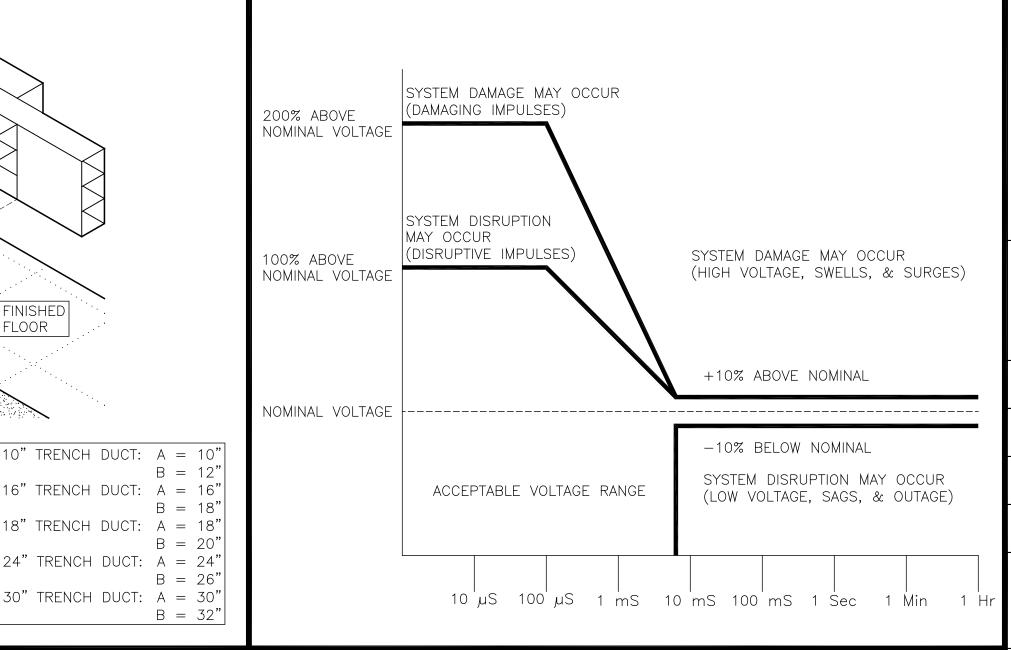
ON SIGNAL. (MAX. 120mA CONTACT)



POWER QUALITY REQUIREMENTS

STANDARD POWER QUALITY NOTES

- A. A GROUNDED NEUTRAL POWER SOURCE IS REQUIRED TO ASSURE RELIABLE EQUIPMENT OPERATION. THE NEUTRAL CONDUCTOR MAY NOT BE USED FOR A PARTICULAR SYSTEM.
- IN CASES WHERE MULTIPLE VOLTAGES ARE PERMITTED, THE PREFERRED SYSTEM VOLTAGE IS SPECIFIED. DUE TO THE HIGH INSTANTANEOUS POWER OF MEDICAL IMAGING SYSTEMS, USE THE HIGHEST AVAILABLE VOLTAGE SOURCE. ENSURE THAT LOWER VOLTAGE SOURCES ARE DERIVED DIRECTLY FROM THE SERVICE ENTRANCE OF THE FACILITY.
- ALL FEEDER AND BRANCH CIRCUIT CONDUCTORS MUST BE COPPER ALUMINUM IS NOT PERMITTED.
- IF THE EQUIPMENT CIRCUIT BREAKER IS NOT LOCATED IN THE CONTROL AREA, A SHUNT TRIP BREAKER MUST BE USED IN ORDER TO COMPLY WITH N.E.C. 517—72(B). A PUSH—BUTTON TO OPERATE THE SHUNT TRIP MUST BE LOCATED IN THE CONTROL AREA.
- 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.
- DEVICES SUCH AS UNINTERRUPTIBLE POWER SUPPLIES, POWER CONDITIONERS, VOLTAGE REGULATORS, AND FILTERS MAY BE INCOMPATIBLE WITH THIS IMAGING EQUIPMENT. CONSULT YOUR TOSHIBA SERVICE REPRESENTATIVE PRIOR TO PURCHASING OR INSTALLING THESE DEVICES.
- GROUND CONDUCTORS SHOULD BE RUN SEPARATE FROM PHASE CONDUCTORS.



| FORMATION, ND SHALL NY PURPOSI GREED UPOI ND THE CUS LANS ARE | AL PUR NOT BI E OTHE N BETW STOMER NOT T | NS ARE FOR POSES ONLY USED FOR THAN THAT EEN TOSHIBA . THESE SITE O BE USED PURPOSES. |
|--|---|---|
| ATE: | 11-1 | 3-13 |

ARE

TRISTAN ASSOCIATES

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| SCALE: | AS NOTED |
|----------|----------|
| PLANNER: | M.S. |
| SID NO: | 30005332 |

PROJECT NO. 130013976XRF

24V RELAY SUPPLIED BY CUSTOMER/CONTRACTOR

LOCATE RÉLAY BOX IN

"X-RAY ON" WARNING LIGHT MOUNTED ABOVE SCAN ROOM DOOR.

WARNING LIGHT

JUNCTION BOX "WL"

NEUTRAL

HOSPITAL SUPPLIED

120V, 15A MAX.

CEILING AWAY FROM TOSHIBA EQUIPMENT.

SCALE: NOT TO SCALE

WARNING LIGHT DETAIL SCALE: NOT TO SCALE

06-01-12

TOSHIBA REP.

NOTE:
GROMMETED OPENINGS

NOTE: 45° SECTION

FOR ALL WALL

DUCT CORNERS.

REMOVABLE COVER.

CUSTOMER'S CONTRACTOR TO VERIFY LOCATION

OF J-BOX(ES) FOR CABLE PULL TO WALL DUCT

CUSTOMER'S CONTRACTOR TO VERIFY LOCATION

OF GROMMETED OPENINGS IN WALL DUCT WITH

OR SPLIT ACCESS COVER

ON FACE OF WALL DUCT.

TYPICAL WALL DUCT DETAIL WITH TRENCH DUCT / J-BOX / VERTICAL RISER SCALE: NOT TO SCALE

10-07-1

SURFACE MOUNTED WALL

THROUGHOUT W/ PARTITION

FLUSH MOUNTED J-BOX

(OPEN TO WALL DUCT)

CUT-OUTS AT ÓPENINGS.

FINISHED FLOOR

DUCT W/(3) EQUALLY

DIVIDED PARTITIONS

KALARE W/ PDU POWER REQUIREMENTS SCALE: NOT TO SCALE

E3

