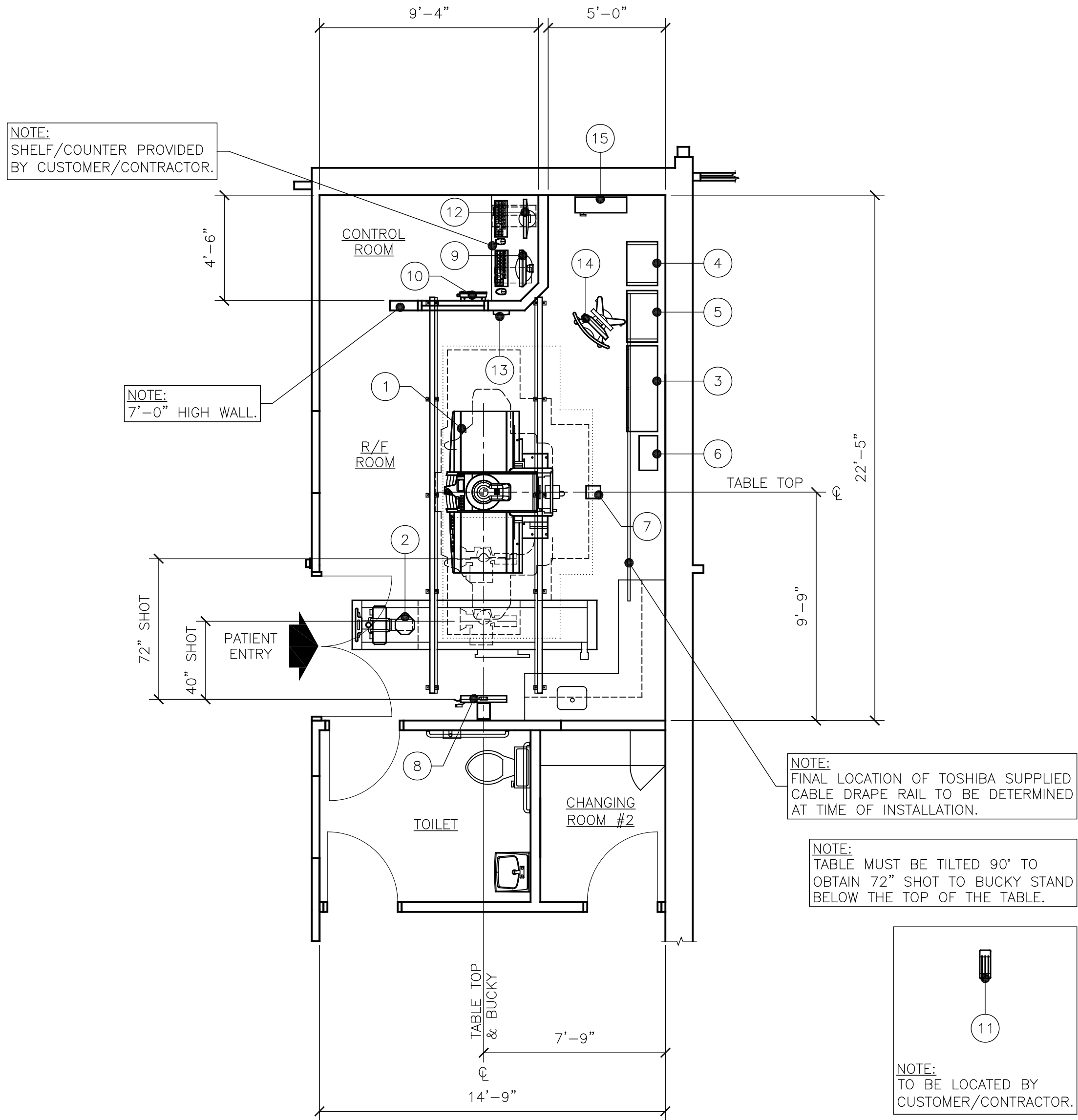


DRAWING CONTENTS

- C1 COVER SHEET
- GN GENERAL NOTES
- SECTION A
 - A1 EQUIPMENT LAYOUT
 - A2 EQUIPMENT ELEVATIONS
 - A3 EQUIPMENT ELEVATIONS
- SECTION S
 - S1 STRUCTURAL LAYOUTS
 - S2 STRUCTURAL DETAILS
- SECTION E
 - E1 ELECTRICAL LAYOUT
 - E2 ELECTRICAL SCHEMATICS
 - E3 ELECTRICAL DETAILS
 - E4 CABLE LENGTH DIAGRAM (FOR INTERNAL USE ONLY)

<div>TRISTAN ASSOCIATES</div>		REV	DATE	REVISED SHEET(S)	INT
(R/F ROOM – KALARE)					
4518 UNION DEPOSIT ROAD HARRISBURG, PA 17111					
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:		NOT TO SCALE			
PLANNER:		M.S.			
SID NO:		30005332			
PROJECT NO.		130013976XRF			
C1					



EQUIPMENT LAYOUT

EQUIPMENT LEGEND

ITEM	ELEC. SYM.	ITEM DESCRIPTION SUPPLIED AND INSTALLED BY TOSHIBA	BTU/HR	WEIGHT	REF.
1	TBL	DUA-450F X-RAY DIAGNOSTIC TABLE (WEIGHT INCLUDES 350 LB. PATIENT)	1,239	4,170	1 A2
2	OTC	DST-100S CEILING SUSPENDED TUBE SUPPORT W/DSR/242B RAILS AND CARRIAGE	-	896	2 A2
3	XRC	KX0-80XD GENERATOR CONTROL CABINET	2,116	900	3 A2
4	SYS	SYSTEM CABINET ("RCU" WITHIN "SYS" CABINET)	-	420	4 A2
5	GCU	XKGC-80XM FLUORO CONTROL CABINET	-	238	5 A2
6	TCU	TABLE CONTROL UNIT	-	130	6 A2
7	TCS	TABLE CABLE STAND	-	-	1 A2
8	VBS	TW-420-R VERTICAL BUCKY STAND (RIGHT LOAD)	-	415	8 A2
9	MPU	MAIN PROCESSING UNIT (MONITOR, PC, & KEYBOARD)	-	43	3 A3
10	GCP	KX0-80XD GENERATOR CONTROL PANEL (WALL MOUNTED)	-	17	7 A2

ITEM	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
13	WAP	DIGITAL PANEL WIRELESS ACCESS POINT	-	4	- -
14	CART	XAMC-100L MONITOR CART (SINGLE MONITOR)	-	109	6 A3

ITEM	ELEC. SYM.	ITEM DESCRIPTION - SUPPLIED BY TOSHIBA & INSTALLED BY CUSTOMER / CONTRACTOR	BTU/HR	WEIGHT	REF.
15	PDU	POWER DISTRIBUTION UNIT	193	203	2 A3

SITE PLAN APPROVAL

IN ORDER TO USE THIS 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.

CUSTOMER:	DATE:
SALES:	DATE:
I.P.M.:	DATE:

TOSHIBA

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INT

DESCRIPTION

DATE

REV

TRISTAN ASSOCIATES

(R/F ROOM - KALARE)

4518 UNION DEPOSIT ROAD
HARRISBURG, PA 17111

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DATE: 11-13-13

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

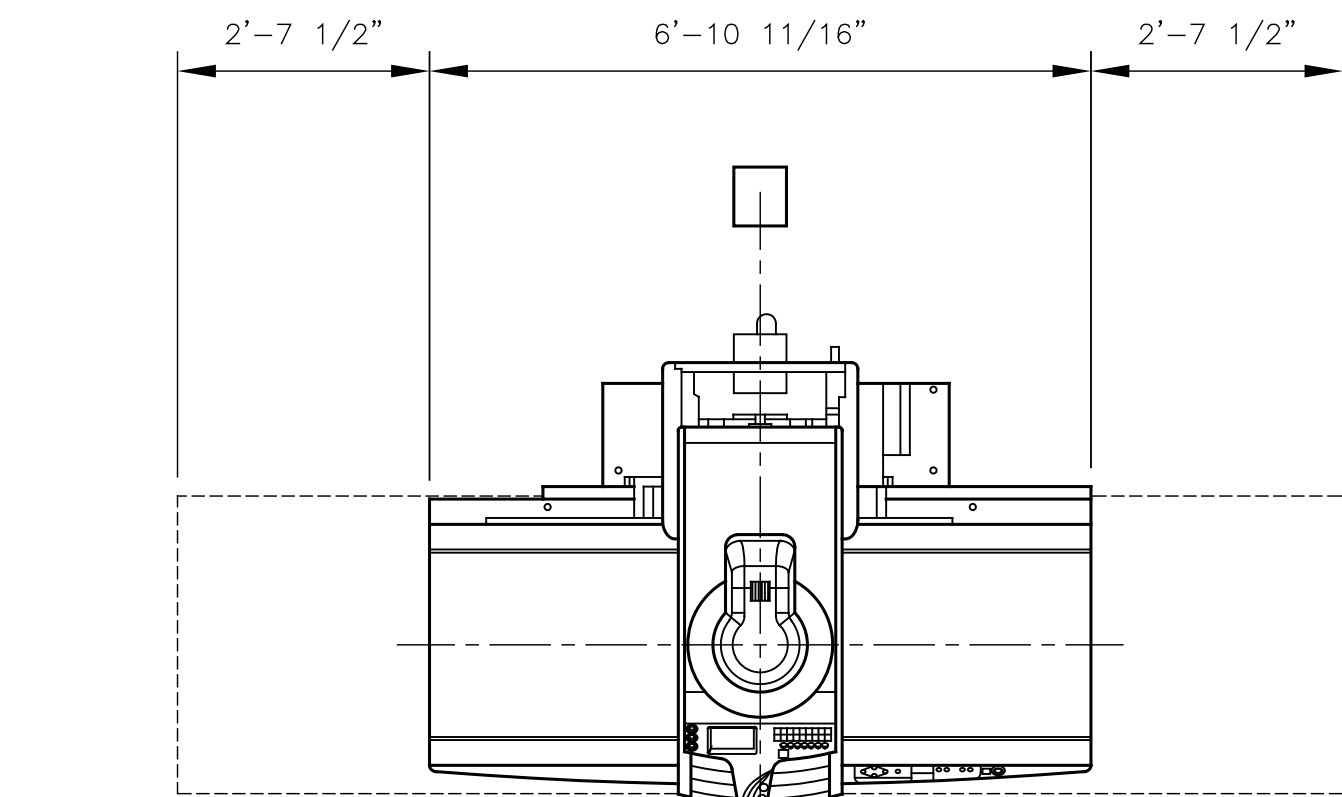
PLANNER: M.S.

SID NO: 30005332

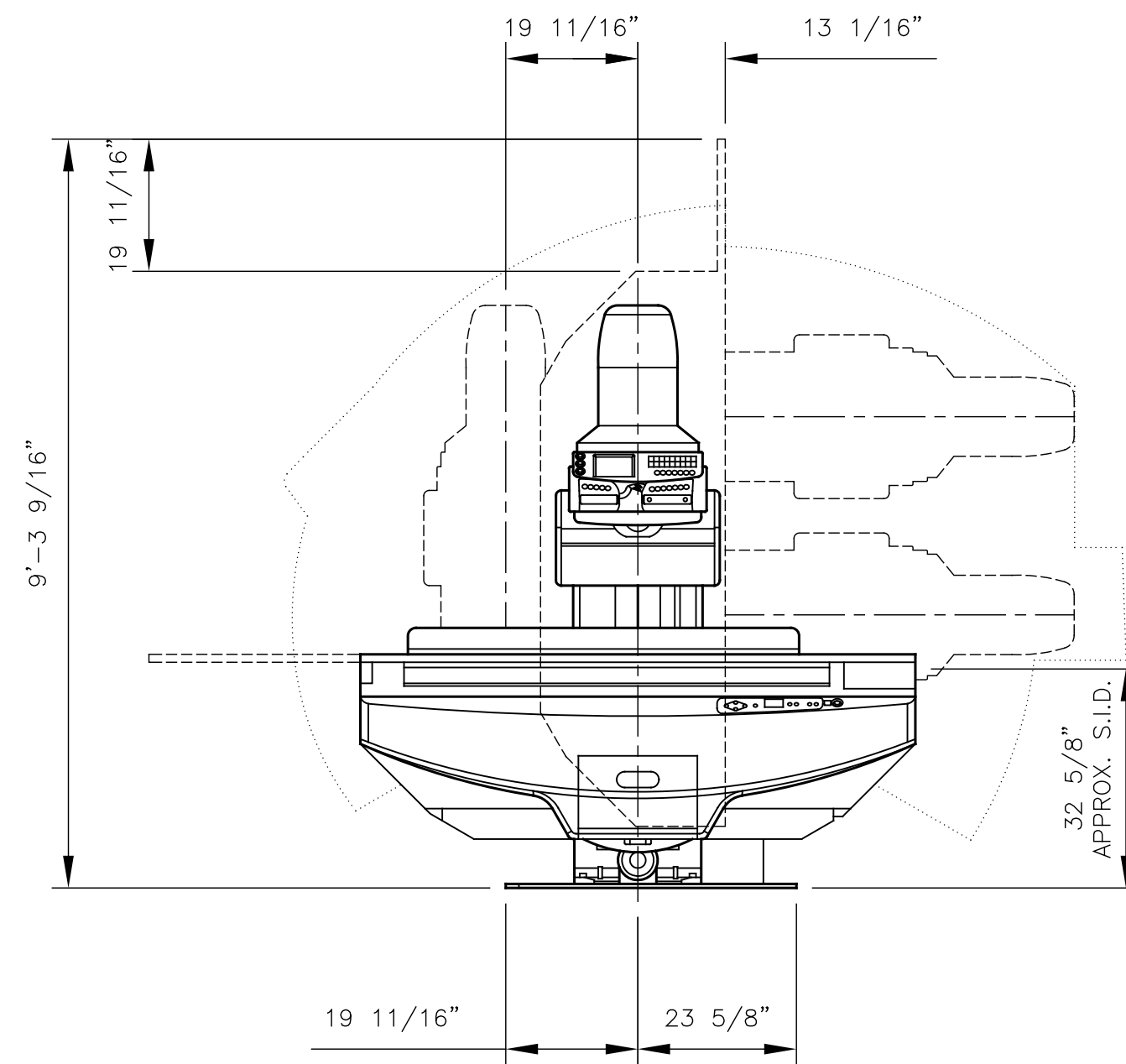
PROJECT NO. 130013976XRF

A1

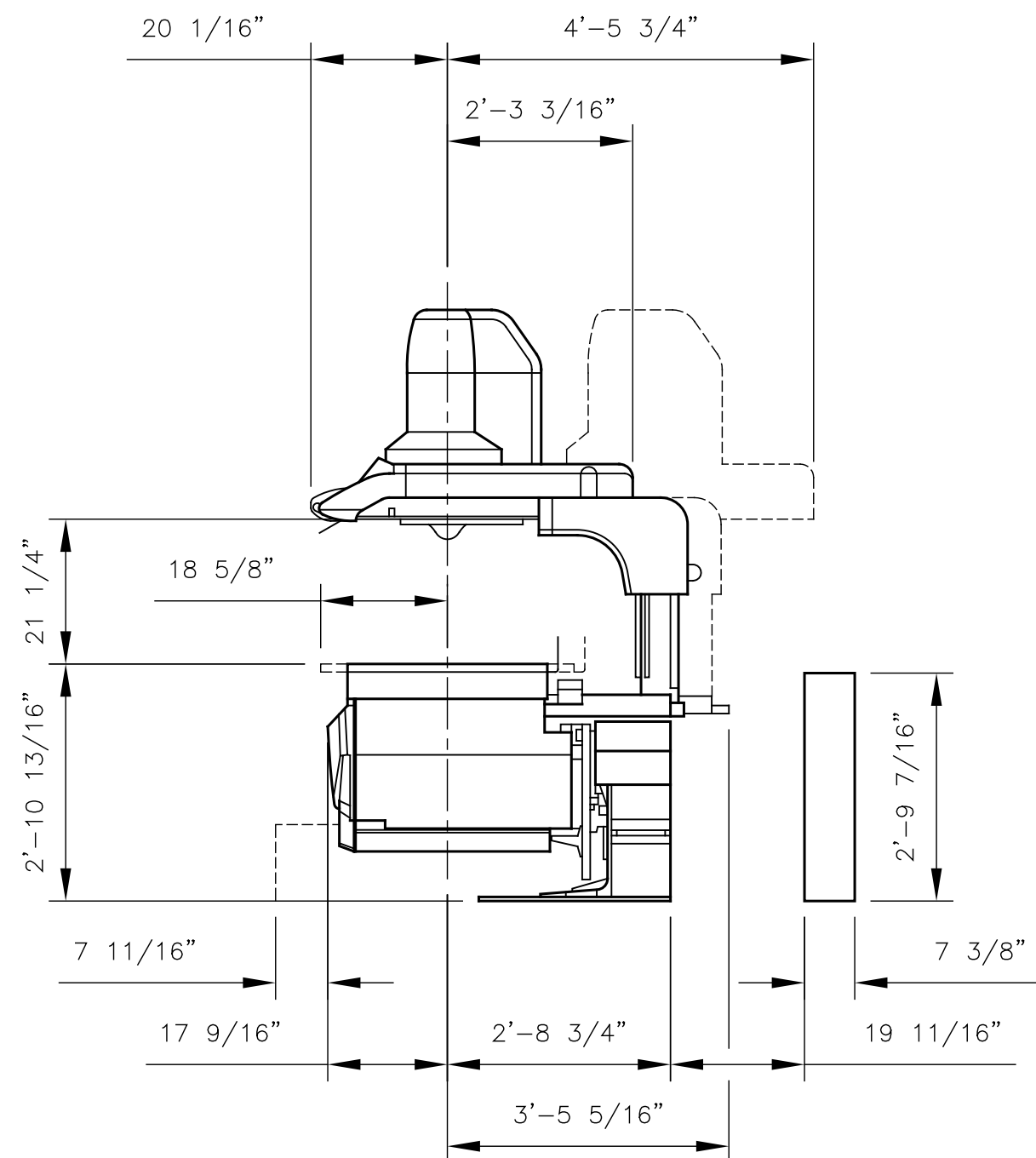
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PLAN

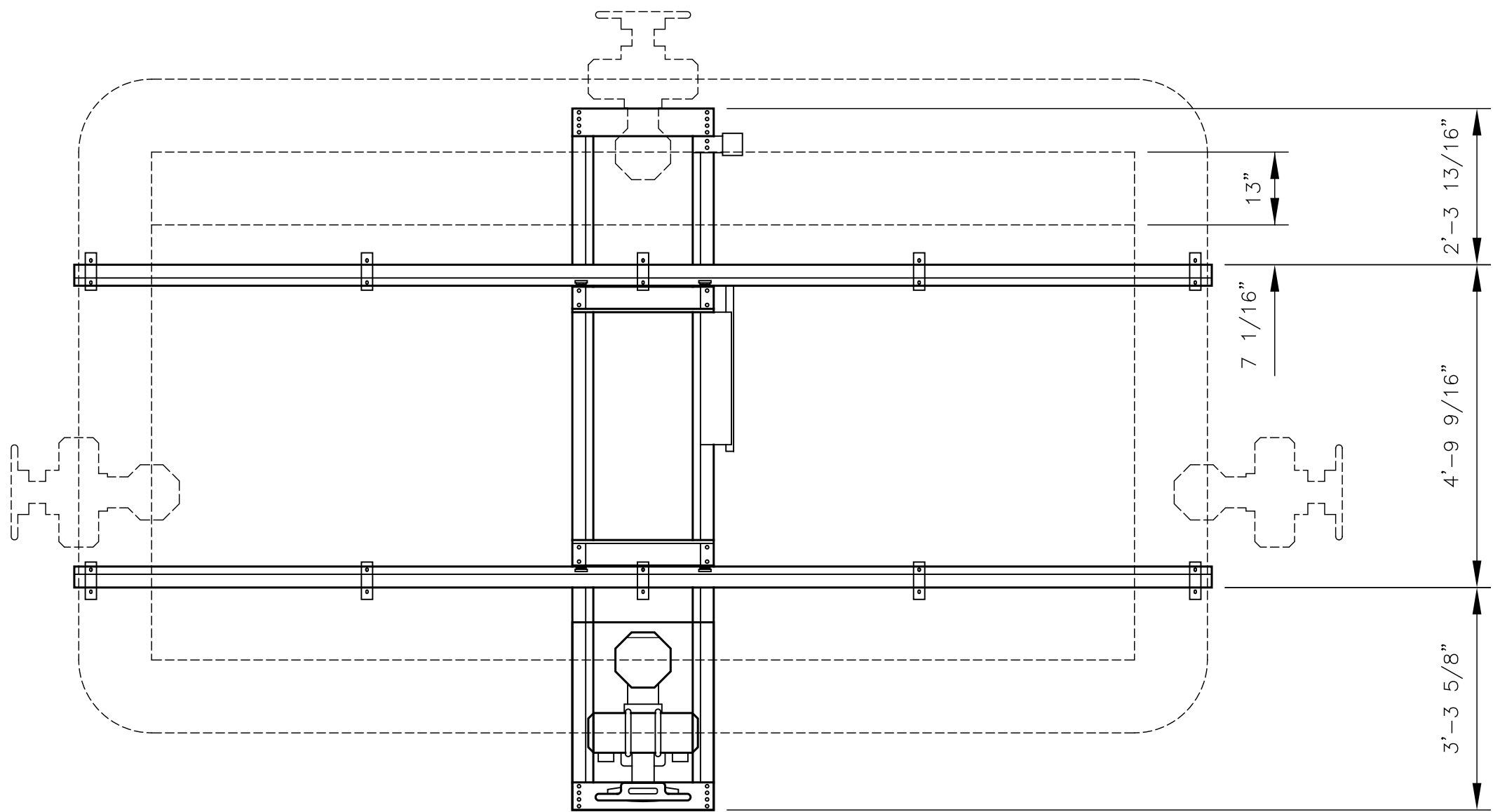


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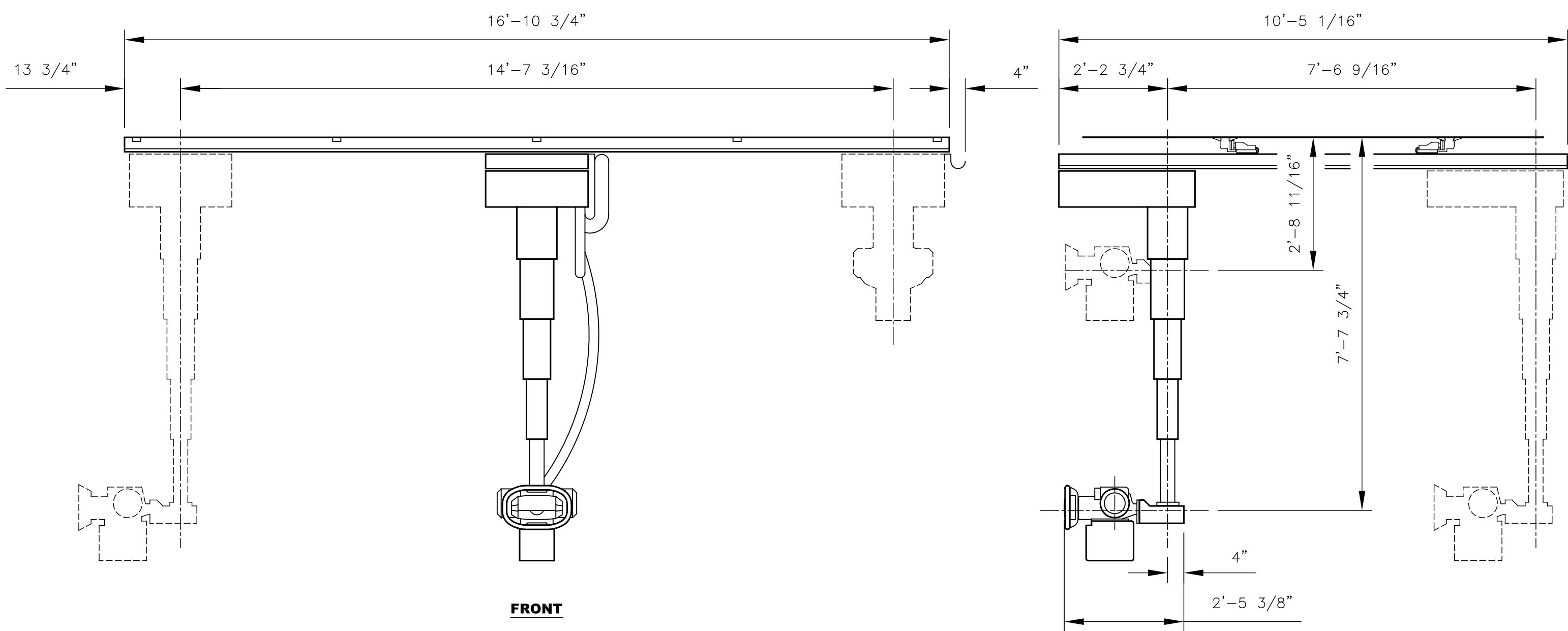


SIDE

TBL
HEAT OUTPUT (BTU'S)
1,239
WEIGHT (LBS)
4,170



PLAN



SIDE

OTC
HEAT OUTPUT (BTU'S)
-
WEIGHT (LBS)
896

1 KALARE DUA-450F X-RAY DIAGNOSTIC TABLE

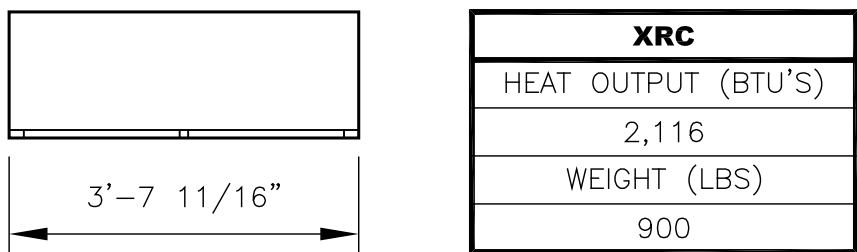
SCALE: 1/2" = 1'-0"

08-19-13

2 CEILING SUSPENDED X-RAY TUBE SUPPORT DST-100S WITH DSR-242B LONGITUDINAL RAILS

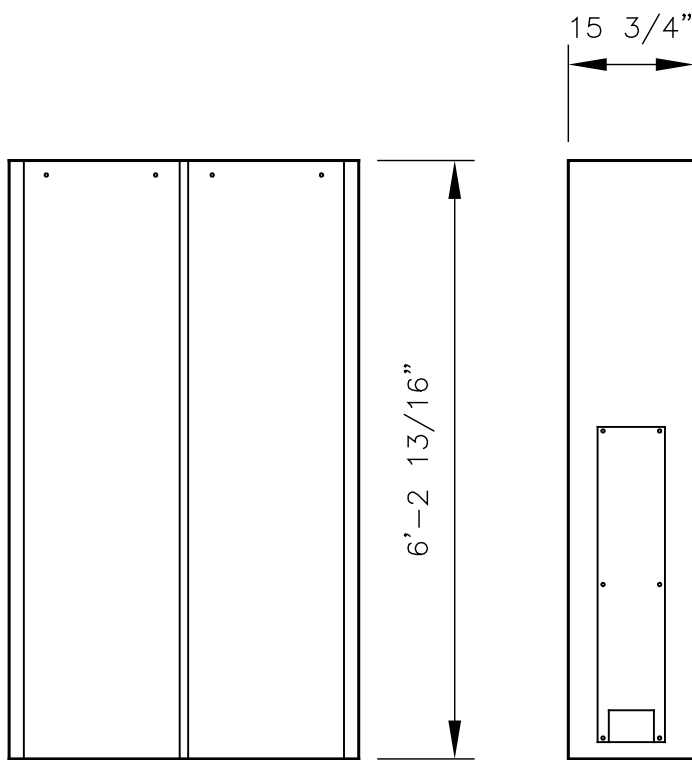
SCALE: 1/2" = 1'-0"

08-19-13



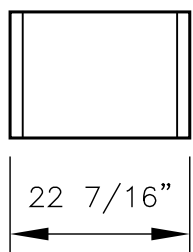
PLAN

XRC
HEAT OUTPUT (BTU'S)
2,116
WEIGHT (LBS)
900



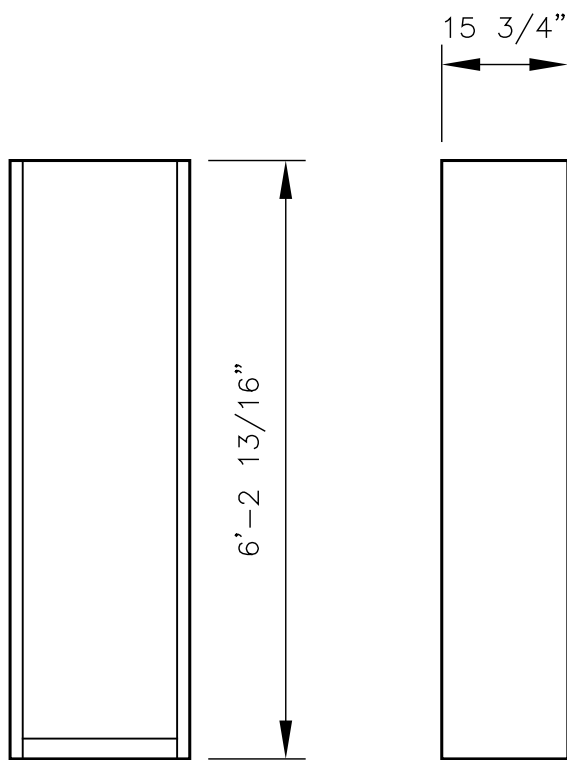
FRONT

SIDE



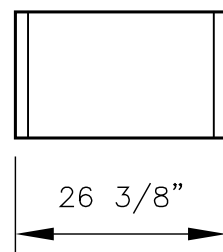
PLAN

SYS
HEAT OUTPUT (BTU'S)
-
WEIGHT (LBS)
420



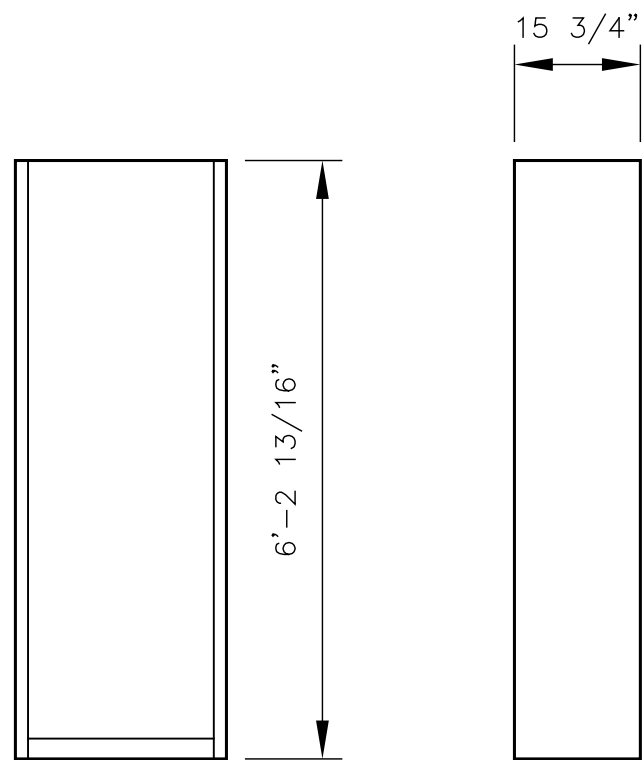
FRONT

SIDE



PLAN

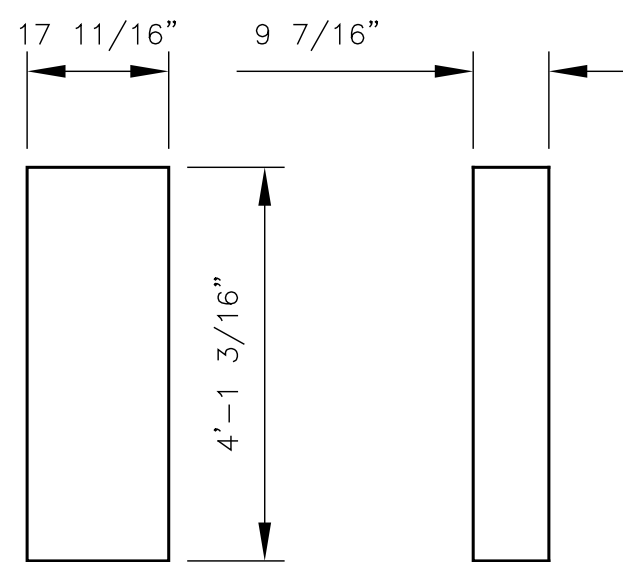
GCU
HEAT OUTPUT (BTU'S)
-
WEIGHT (LBS)
238



FRONT

SIDE

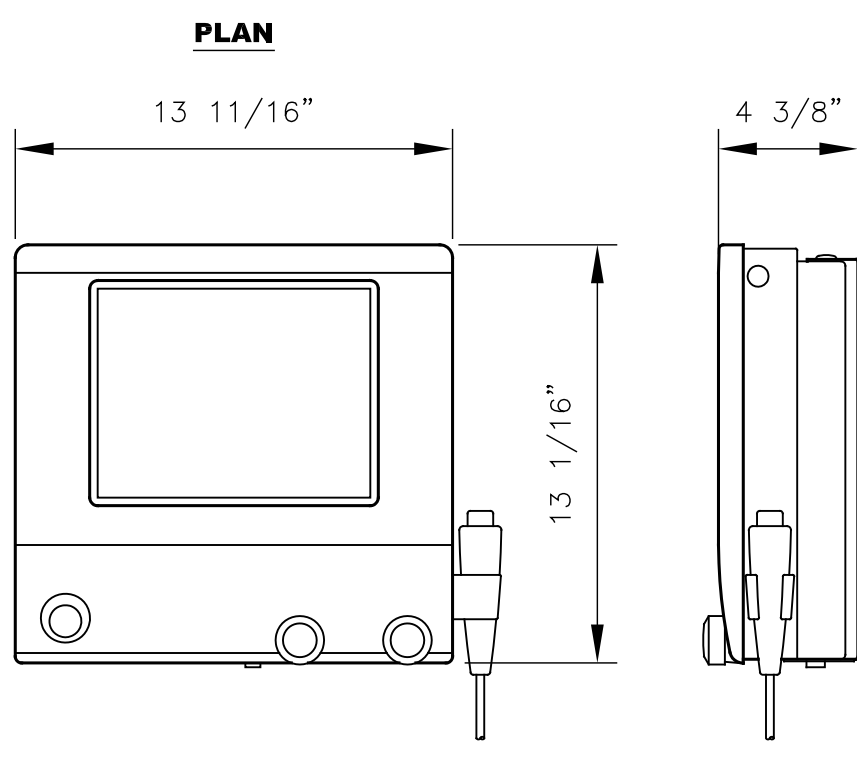
TCU
HEAT OUTPUT (BTU'S)
-
WEIGHT (LBS)
130



FRONT

SIDE

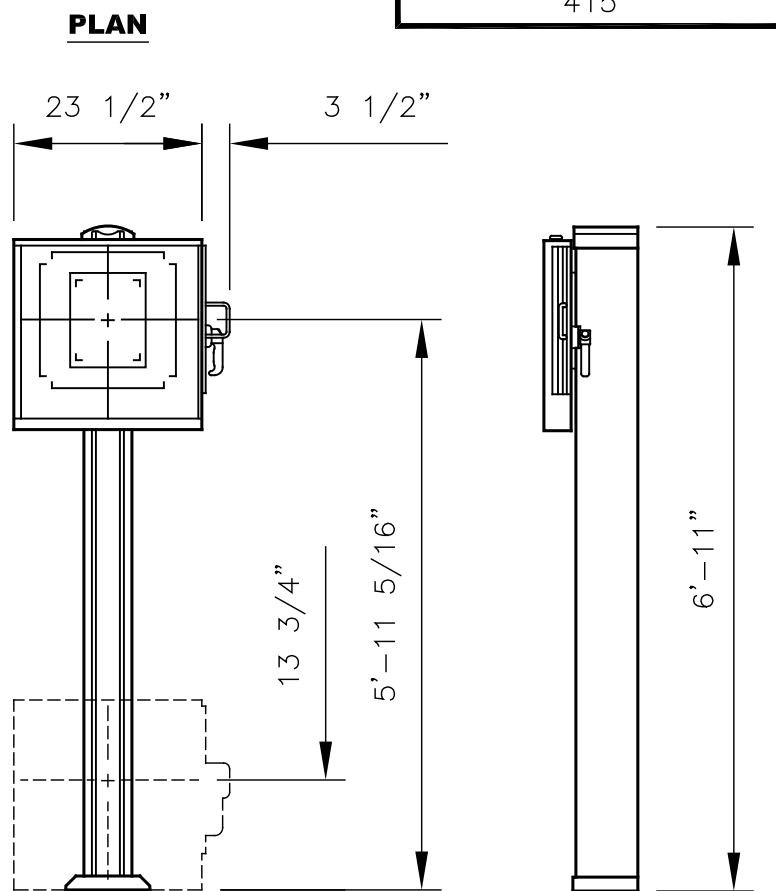
GCP
HEAT OUTPUT (BTU'S)
-
WEIGHT (LBS)
17



FRONT

SIDE

VBS
HEAT OUTPUT (BTU'S)
-
WEIGHT (LBS)
415



FRONT

SIDE

3 KXO-80XD GENERATOR CABINET

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

08-19-13

4 KXO-80XD SYSTEM CABINET

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

08-19-13

5 XKGC-80XM FLUORO CONTROL

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

08-19-13

6 TABLE CONTROL UNIT

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

08-19-13

7 KXO-80XD CONTROL PANEL

SCALE: 2" = 1'-0"

08-19-13

8 VERTICAL BUCKY STAND

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

08-19-13

TRISTAN ASSOCIATES

(R/F ROOM - KALARE)

4518 UNION DEPOSIT ROAD
HARRISBURG, PA 17111

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DATE: 11-13-13

SCALE: AS NOTED

PLANNER: M.S.

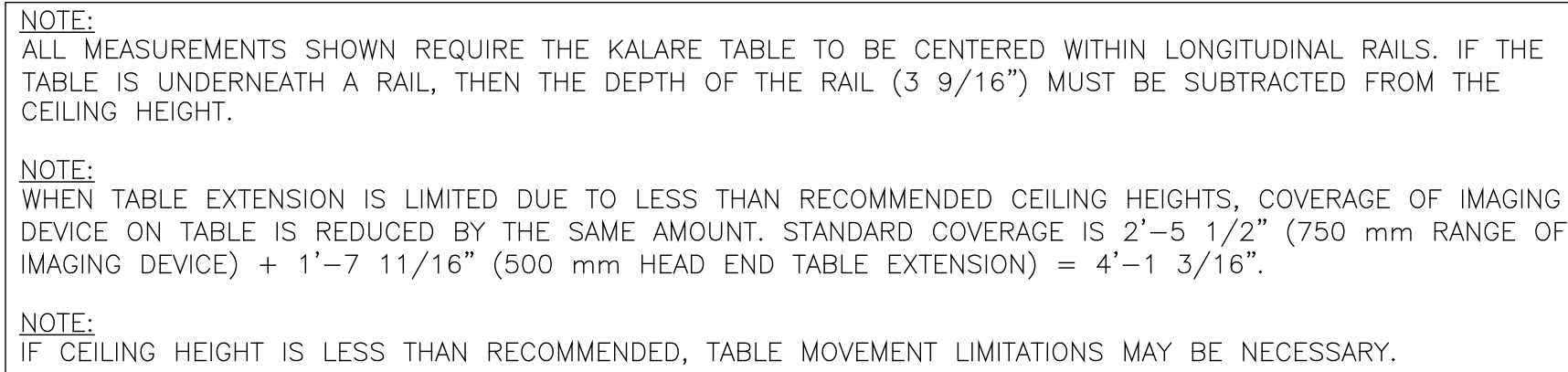
SID NO: 30005332

PROJECT NO.
130013976XRF

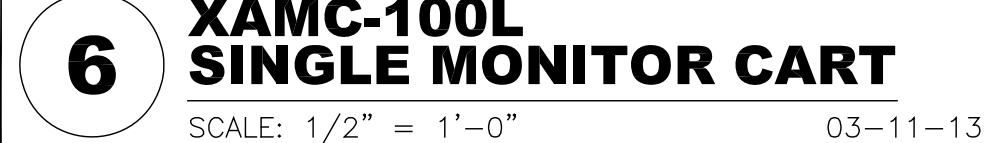
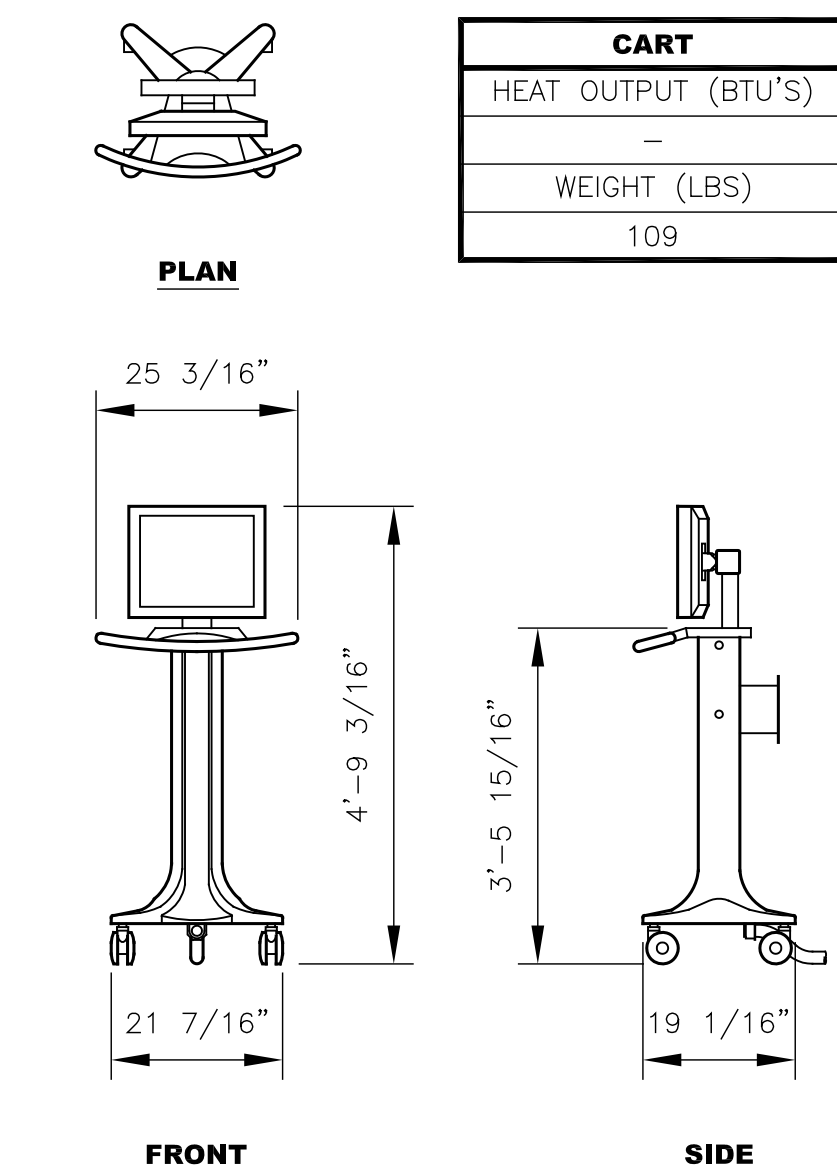
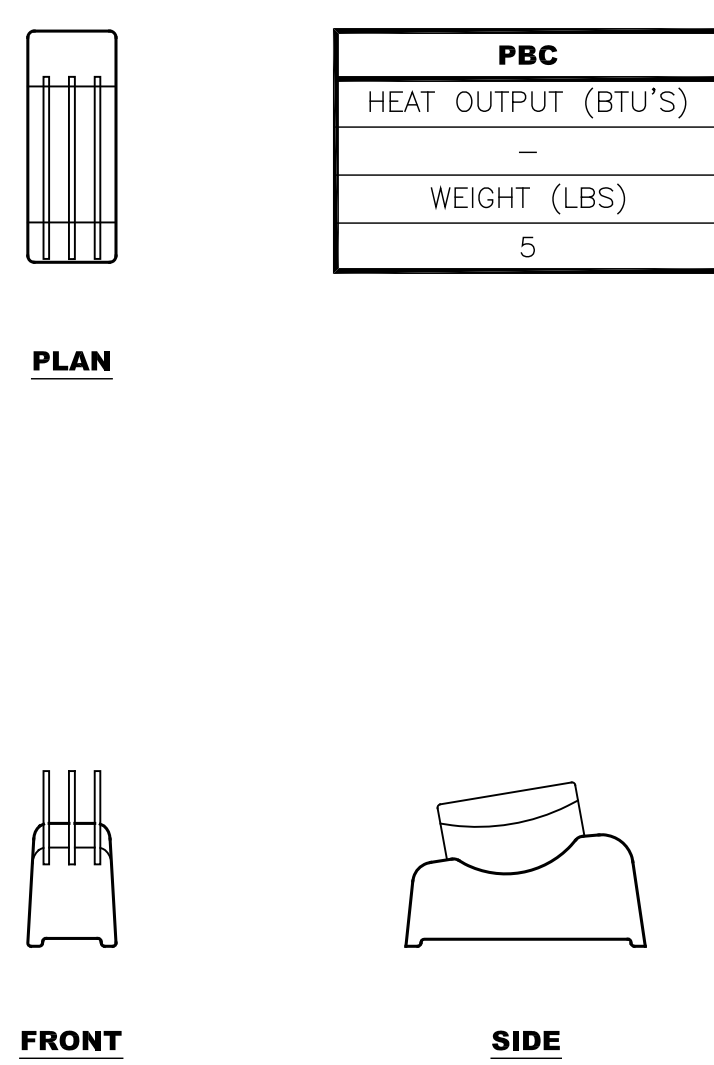
A2

TOSHIBA
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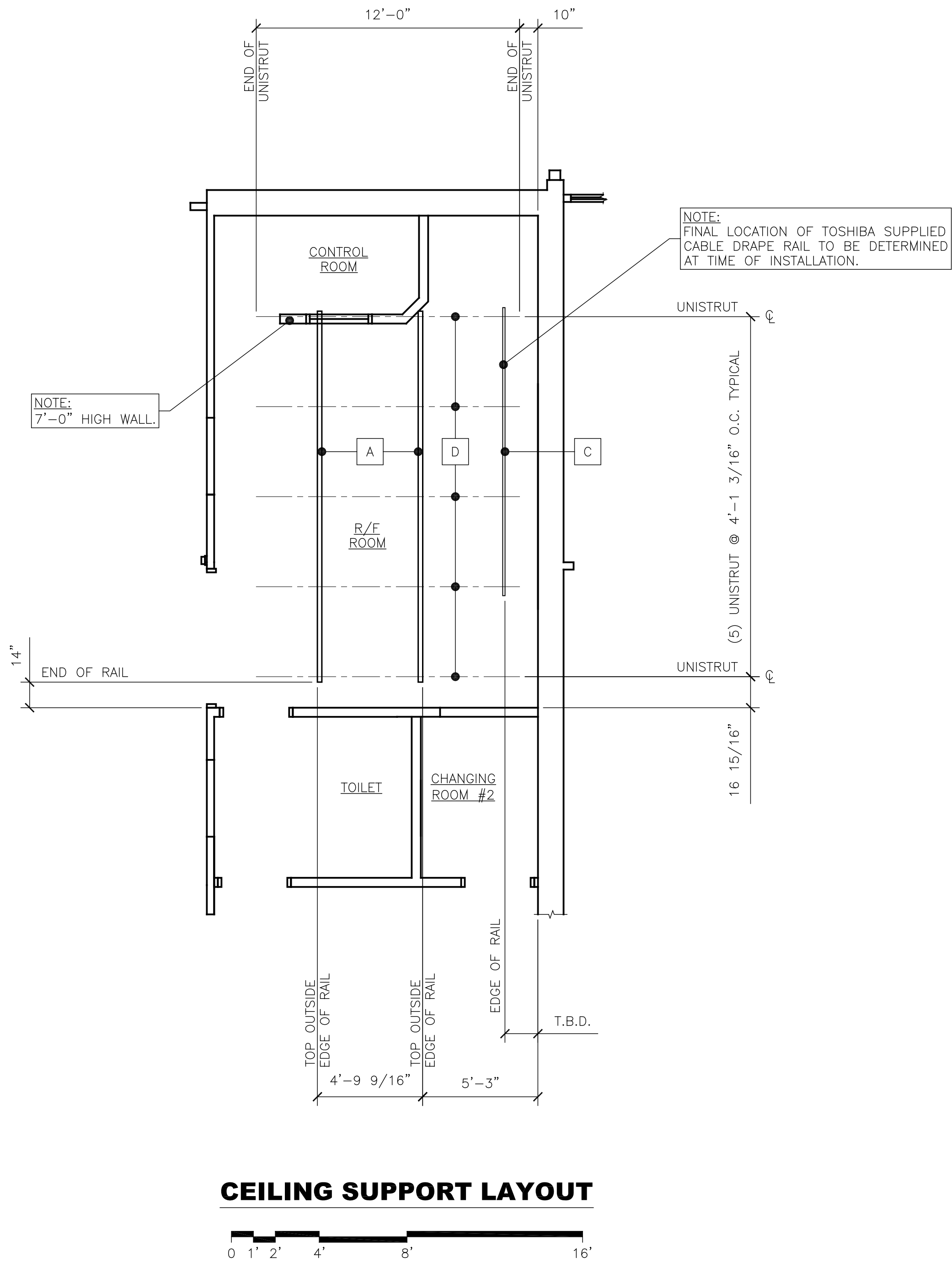
FOR REFERENCE ONLY. NOT TO BE USED FOR CONSTRUCTION PURPOSES.



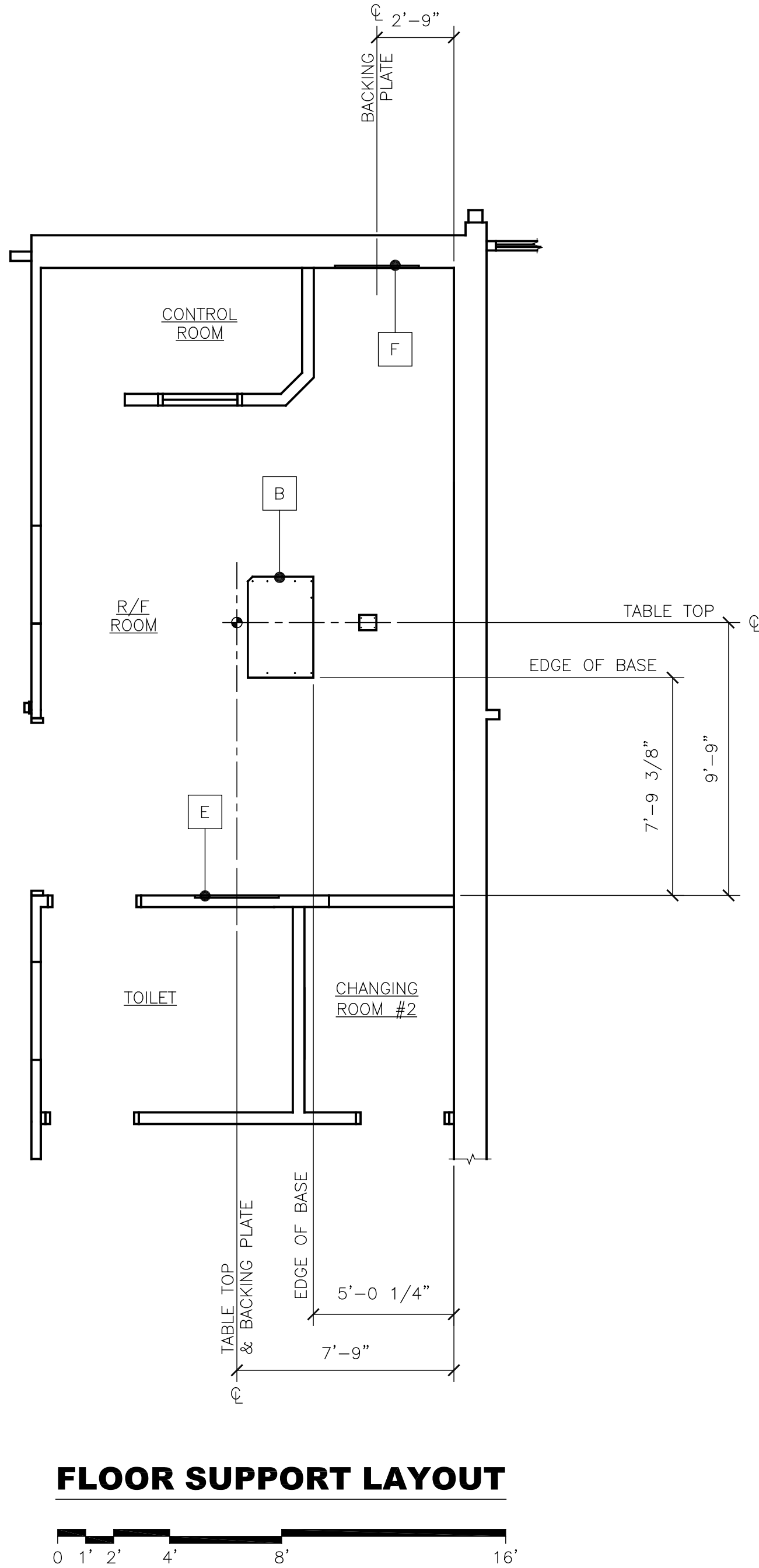
CEILING KIT	(A) CEILING HEIGHT		TABLE TOP S.I.D. MAXIMUM AT 0 DEGREES	(B) TABLE EXTENSION AT 90 DEGREES	(C) STANDING KNEE MINIMUM	NOTES
	ABOVE	AT OR BELOW				
XGST-105A	9'-7 1/2"	10'-0"	48" (40 1/8" W/KIT)	19 11/16"	23 3/4" (15 7/8" W/KIT)	
NONE	9'-5 3/8"	9'-7 1/2"	45 7/8" (38" W/KIT)	19 11/16"	21 5/8" (13 3/4" W/KIT)	40" S.I.D. TO TABLE TOP IS NOT ATTAINABLE WITH HIGH CEILING KIT.
NONE	9'-2"	9'-5 3/8"	42 1/2"	15 3/4"	18 1/4"	
NONE	9'-1 7/16"	9'-2"	41 15/16"	15 3/4"	17 11/16"	9'-2" IS RECOMMENDED CEILING HEIGHT.
XGST-104A	8'-9 1/2"	9'-1 7/16"	38" (42 15/16" W/KIT)	11 13/16"	13 3/4" (18 11/16" W/KIT)	40" S.I.D. TO TABLE TOP IS NOT ATTAINABLE WITHOUT LOW CEILING KIT.
XGST-104A	8'-7 9/16"	8'-9 1/2"	36" (40 15/16" W/KIT)	9 13/16"	11 13/16" (16 3/4" W/KIT)	40" S.I.D. TO TABLE TOP IS NOT ATTAINABLE WITHOUT LOW CEILING KIT. COLLIMATOR CAN COLLIDE WITH THE FLOOR.



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CEILING SUPPORT LAYOUT



FLOOR SUPPORT LAYOUT

STRUCTURAL LEGEND		
ITEM	ITEM DESCRIPTION SUPPLIED AND INSTALLED BY TOSHIBA	REF.
A	DSR-242B CEILING RAILS	3 S2
B	BASE LAYOUT FOR DUA-450F TABLE	1 S2
C	CABLE DRAPE RAIL	3 S2
ITEM	ITEM DESCRIPTION SUPPLIED AND INSTALLED BY CUSTOMER / CONTRACTOR	REF.
D	P1001 UNISTRUT	3 S2
E	BACKING PLATE FOR TW-420 VERTICAL BUCKY STAND	4 S2
F	BACKING PLATE FOR POWER DISTRIBUTION UNIT (36" W X 30" H, 31" A.F.F.)	2 S2

TOSHIBA

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TRISTAN ASSOCIATES

(R/F ROOM – KALARE)

4518 UNION DEPOSIT ROAD
HARRISBURG, PA 17111

DATE: 11-13-13

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

PLANNER: M.S.

SID NO: 30005332

PROJECT NO.
130013976XRF

S1

INT

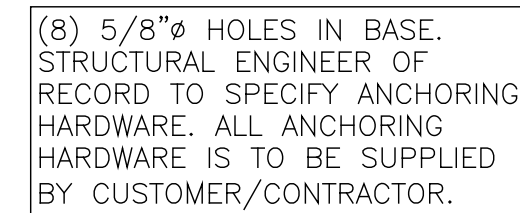
DESCRIPTION

DATE

REV

FOR REFERENCE ONLY. NOT TO BE USED FOR CONSTRUCTION PURPOSES.

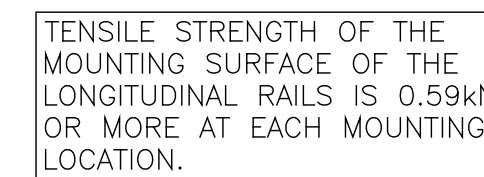
G. REMOVAL FORCE OF THE ANCHOR BOLTS SHOULD BE AT LEAST 12kN.



10-07-11



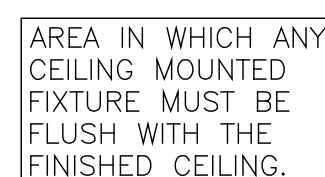
10-07-11



SCALE: 4" = 1'-0"



SCALE: NOT TO SCALE



AREA MUST REMAIN
FREE OF ANY
CEILING MOUNTED
FIXTURES SUCH AS
LIGHTS, VENTILATION,
& FIRE SPRINKLERS

(2) 18" ACCESS
PANELS REQUIRED IF
RAILS ARE INSTALLED
ON A HARD CEILING.
A MIN. OF 12"
VERTICAL CLEARANCE
ABOVE PANELS
REQUIRED FOR
SERVICING EQUIPMENT

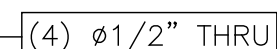
SCALE: 1/2" = 1'-0"

10-07-11



BACKING ATTACHED TO A MINIMUM OF 3 STUDS FOR SUPPORT AND STABILITY OF THE WALL STAND. CUSTOMER/CONTRACTOR TO SUPPLY AND INSTALL BACKING PLATE.

SCALE: 1" = 1'-0"



SCALE: 4" = 1'-0"

4518 UNION DEPOSIT ROAD
HARRISBURG, PA 17111

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PROJECT NO.
130013976XRF

S2

TOSHIBA
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MAIN

CB

EPO

BS

PBC

NOTE:
TO BE LOCATED BY CUSTOMER / CONTRACTOR.

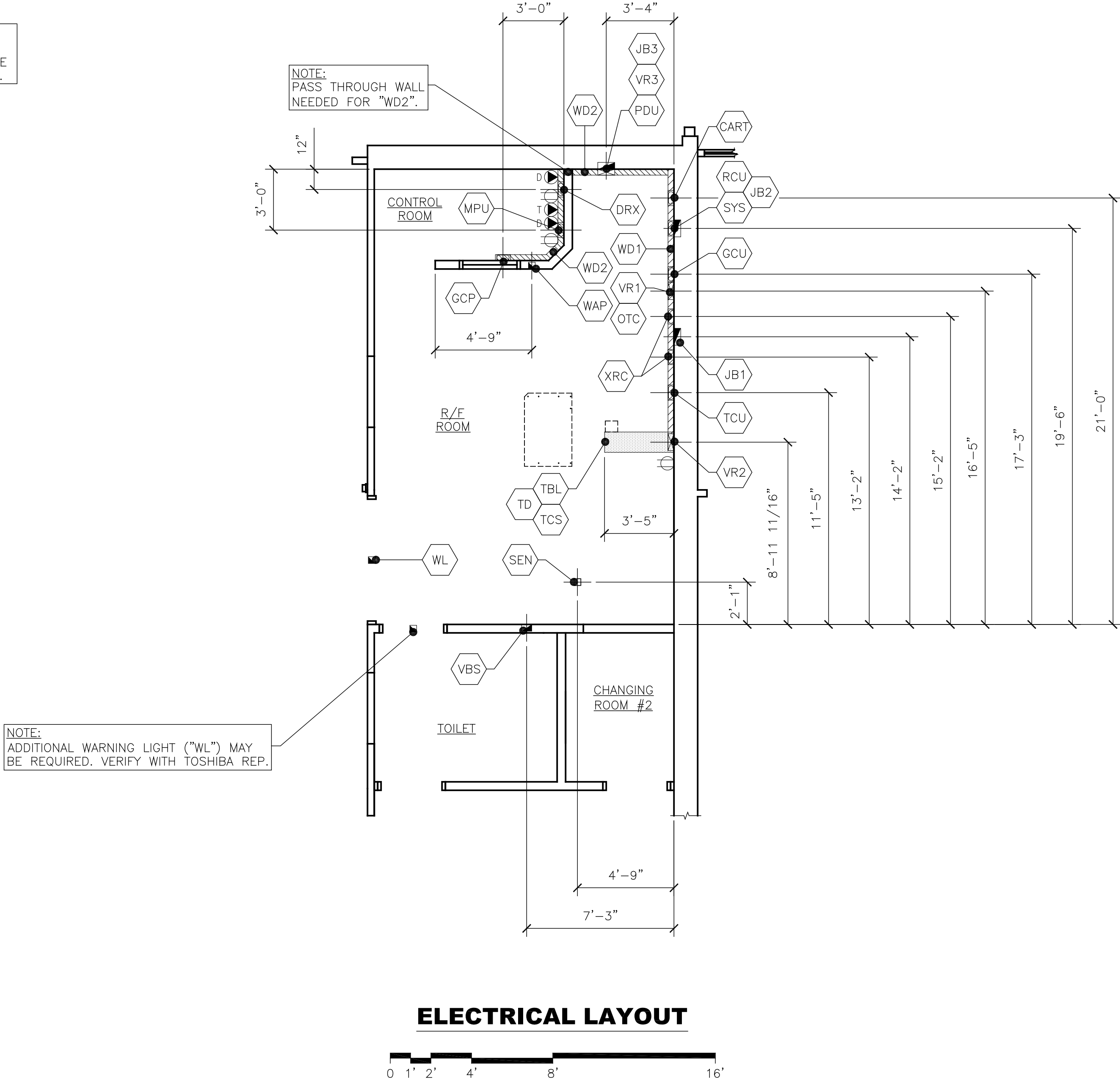
ADDITIONAL "EPO" SWITCHES TO BE LOCATED IN ADJACENT ROOMS WITH TOSHIBA EQUIPMENT IF MAIN "EPO" IS NOT ACCESSIBLE (VERIFY WITH LOCAL CODE). ALL "EPO" SWITCHES TO BE PROVIDED BY CUSTOMER / CONTRACTOR.

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 CONCEAL EXPOSED CABLES FROM "TCS" TO "TD". EXACT SIZE AND LOCATION TO BE DETERMINED AT TIME OF INSTALLATION.



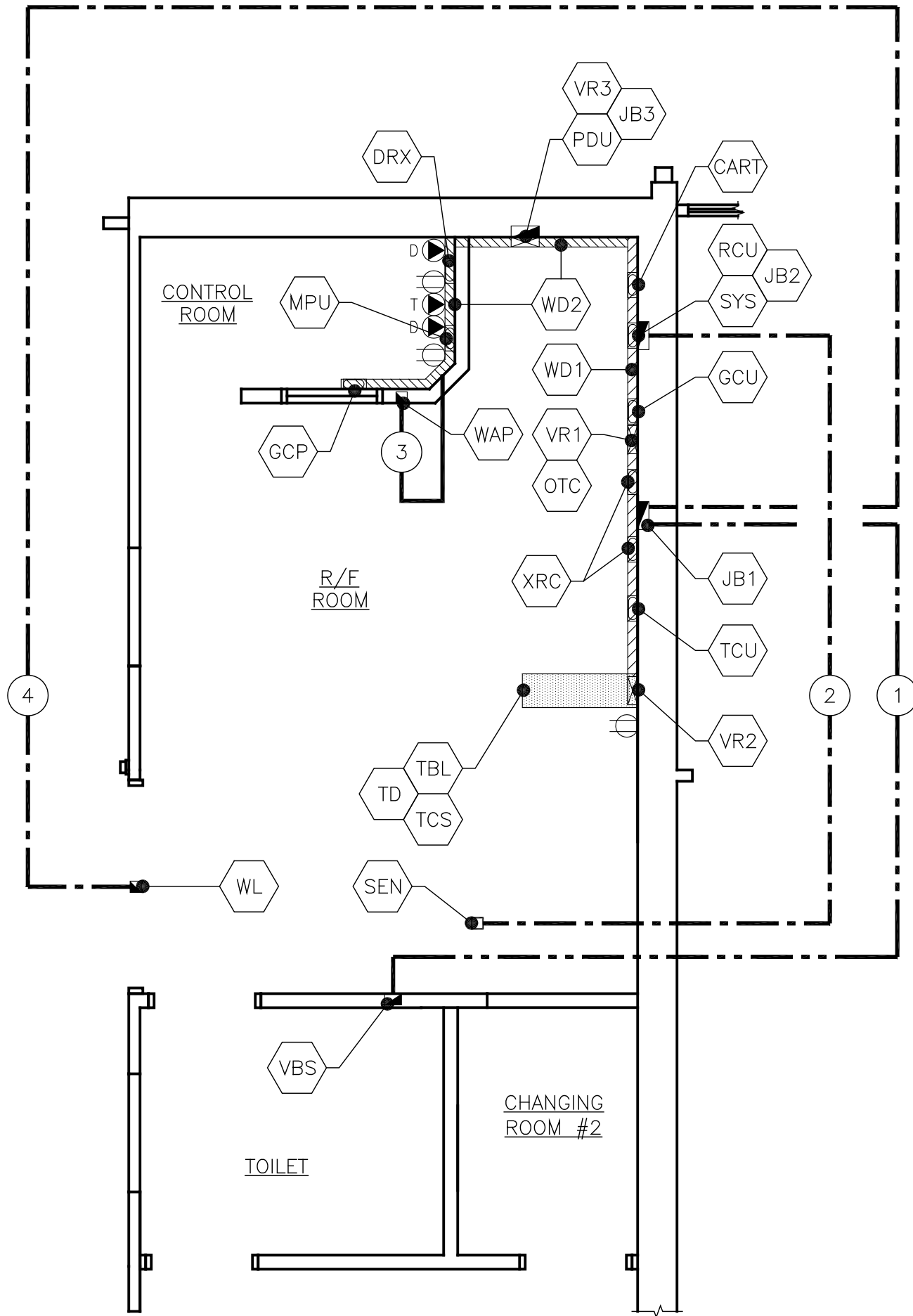
ELECTRICAL LEGEND		
ITEM	ITEM DESCRIPTION SUPPLIED AND INSTALLED BY CUSTOMER / CONTRACTOR	REF.
MAIN	MAIN SERVICE ENTRANCE PANEL.	1 E3
CB	THREE PHASE CIRCUIT BREAKER PER TOSHIBA POWER QUALITY REQUIREMENTS. CIRCUIT BREAKER LOCATION PER CODE REQUIREMENTS BY ELECTRICAL CONTRACTOR. PREFERRED LOCATION IN CONTROL ROOM.	1 E3
PDU	GROMMETED OPENING AT END OF "VR3", 34" A.F.F.	3 E3
EPO	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
WL	4" STD. BOX J-BOX FOR "X-RAY ON" OR WARNING LIGHT MOUNTED ABOVE PATIENT ENTRY DOOR.	2 E3
TBL	CONNECTED TO TABLE CABLE STAND, "TCS".	
TCS	4 W X 4" L, GROMMETED OPENING IN "TD".	3 E3
OTC	8" W X 3" H, GROMMETED OPENINGS IN "VR1", 14" BELOW FINISHED CEILING.	3 E3
SEN	4" W X 4" L X 4" H, J-BOX FLUSH MOUNTED IN FINISHED CEILING.	
CART	8" W X 3" H, GROMMETED OPENING IN "WD1".	3 E3
XRC	(2) 8" W X 3" H, GROMMETED OPENINGS IN "WD1".	3 E3
SYS	8" W X 3" H, GROMMETED OPENING IN "WD1".	3 E3
RCU	8" W X 3" H, GROMMETED OPENING IN "WD1".	3 E3
GCU	8" W X 3" H, GROMMETED OPENING IN "WD1".	3 E3
TCU	8" W X 3" H, GROMMETED OPENING IN "WD1".	3 E3
VBS	6" W X 6" L X 4" H, J-BOX FLUSH MOUNTED IN WALL, 42" A.F.F. TO BOTTOM OF BOX.	
MPU	8" W X 3" H, GROMMETED OPENING IN "WD2".	3 E3
GCP	8" W X 3" H, GROMMETED OPENING IN "WD2".	3 E3
DRX	8" W X 3" H, GROMMETED OPENING IN "WD2".	3 E3
WAP	4" W X 4" L X 4" H, J-BOX FLUSH MOUNTED IN FINISHED WALL, 7'-0" A.F.F. OR MORE.	
PBC	DRX WIRELESS PANEL BATTERY CHARGER.	
JB1	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
JB2	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
JB3	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
⌀	110V ELECTRICAL OUTLETS FOR SYSTEM EQUIPMENT AND/OR SERVICE EQUIPMENT. OUTLETS TO BE LOCATED IN EACH ROOM WHERE SYSTEM EQUIPMENT IS LOCATED.	
▲ 0	RJ45 CONNECTOR, CAT5 CABLE TO BE USED FOR DATA CONNECTION FOR NETWORKING.	
▲ ↑	DEDICATED PHONE LINE SUPPLIED/INSTALLED BY CUSTOMER/CONTRACTOR.	
ELECTRICAL DUCT LEGEND		
ITEM	ITEM DESCRIPTION SUPPLIED AND INSTALLED BY CUSTOMER / CONTRACTOR	REF.
WD1	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 BOTTOM OF DUCT.	3 E3
WD2	10" 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 BOTTOM OF DUCT. CONNECTED TO "WD1". VERIFY DUCT SIZE WITH TOSHIBA REP.	3 E3
VR1	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
VR2	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
VR3	10" W X 3 1/2" D, FLUSH/SURFACE MOUNTED RISER DUCT W/(3) EQUALLY PARTITIONED COMPARTMENTS THROUGHOUT & REMOVABLE ACCESS COVERS. FROM "WD2" TO "PDU".	3 E3
TD	12" W X 3 1/2" D, FLUSH MOUNTED METAL TRENCH DUCT W/(3) EQUAL PARTITIONED COMPARTMENTS THROUGHOUT & REMOVABLE ACCESS COVERS. (COVERS SHOULD BE ABLE TO SUPPORT MIN. OF 200 LBS.)	3 E3

TOSHIBA

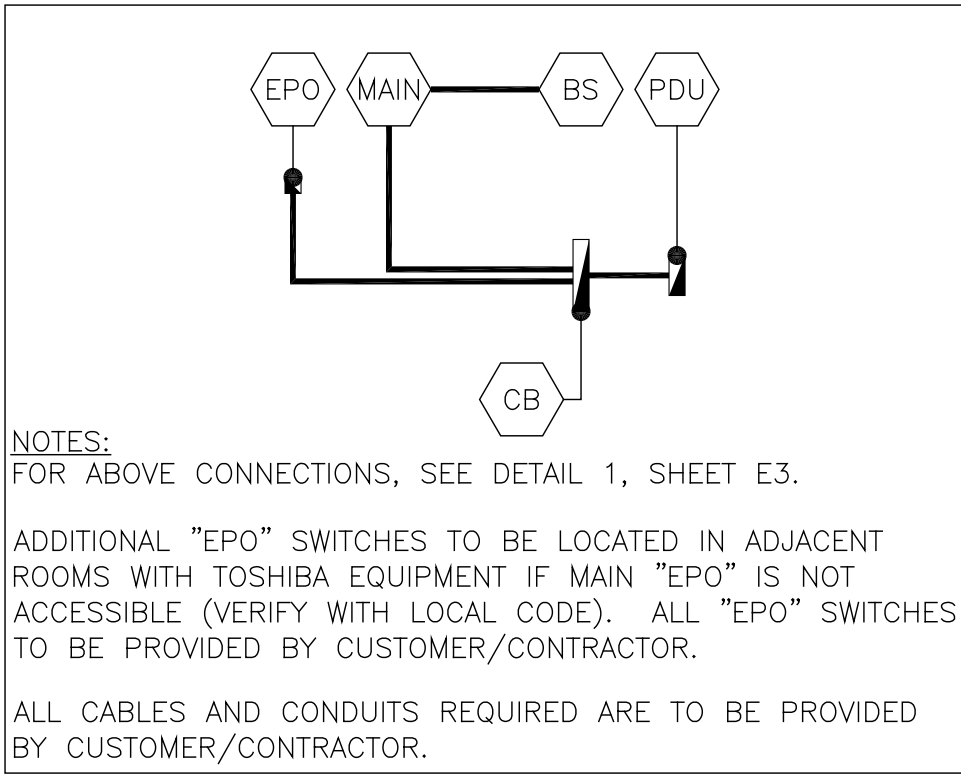
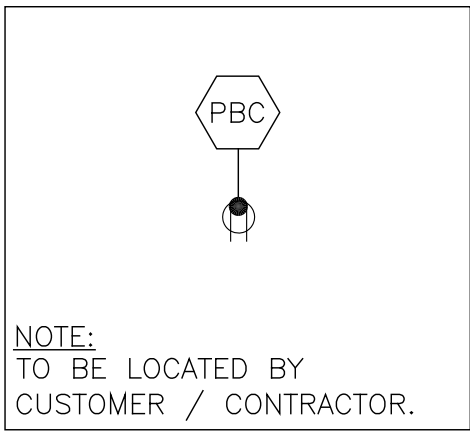
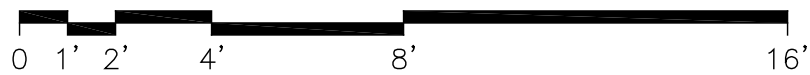
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TRISTAN ASSOCIATES		(R/F ROOM – KALARE)		4518 UNION DEPOSIT ROAD HARRISBURG, PA 17111	
INT					
DESCRIPTION					
DATE					
REV					
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DATE:		11-13-13			
SCALE:		1/4" = 1'-0"			
PLANNER:		M.S.			
SID NO:		30005332			
PROJECT NO.		130013976XRF			
E1					

FOR REFERENCE ONLY. NOT TO BE USED FOR CONSTRUCTION PURPOSES.



ELECTRICAL SCHEMATIC
(PROVIDED FOR REFERENCE PURPOSES ONLY)



CABLE KEY	
	IN/UNDER FLOOR
	OVER CEILING
	CONTRACTOR DETERMINED

CONDUIT SCHEDULE

CONTRACTOR CONDUIT REFERENCE						TOSHIBA CABLE REFERENCE				
RUN NO.	CONDUIT (POINT TO POINT)		CONDUIT (ROUTING)	CONDUIT (DIAMETER)	CONDUIT (MAX. LENGTH)	CABLE (POINT TO POINT)		CABLE LENGTH (USABLE)	CABLES (SUPPLIED BY)	
1	JB1	VBS	IN FLOOR	2"	30'-0"	XRC	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	

NOTE:
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.

TRISTAN ASSOCIATES

(R/F ROOM – KALARE)

4518 UNION DEPOSIT ROAD
HARRISBURG, PA 17111

DATE: 11-13-13

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

PLANNER: M.S.

SID NO: 30005332

PROJECT NO.
130013976XRF

TOSHIBA

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INT

DESCRIPTION

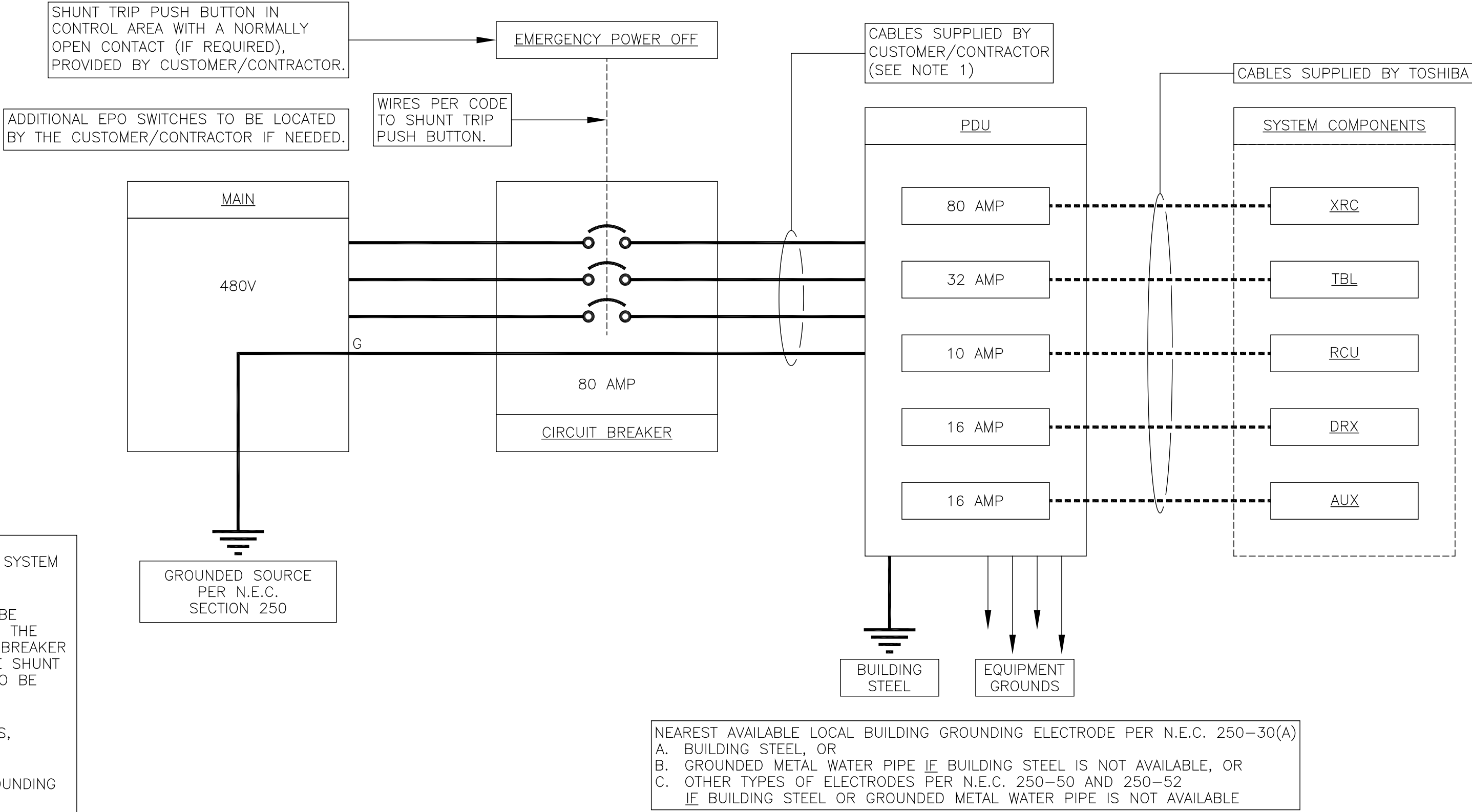
DATE

REV

E2

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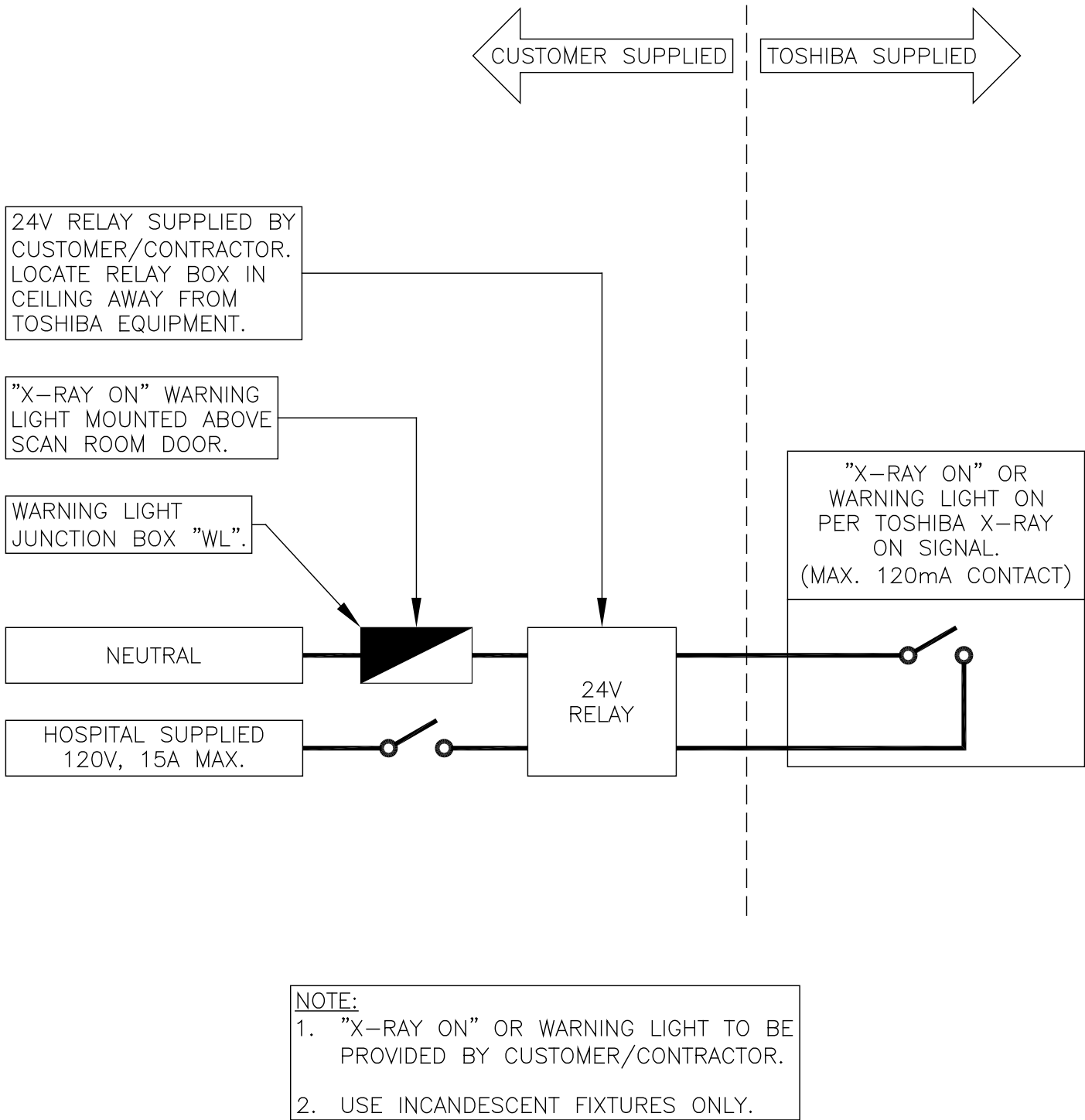
- NOTE:
- REFER TO WIRE CHART FOR ELECTRICAL REQUIREMENTS AND PROPER WIRE SIZES FOR THE SYSTEM (SEE DETAIL X, SHEET E3).
 - IN ACCORDANCE WITH N.E.C. ARTICLE 517-72(B), THE EQUIPMENT CIRCUIT BREAKER MUST BE LOCATED SO THAT THEY SHALL BE OPERABLE FROM A LOCATION READILY ACCESSIBLE FROM THE CONTROL AREA. IF THIS IS IMPOSSIBLE OR IMPRACTICAL, THE USE OF A SHUNT TRIP TYPE BREAKER WILL BE NECESSARY TO SATISFY THE REQUIREMENT. THE EMERGENCY OFF BUTTON FOR THE SHUNT TRIP SHOULD BE LOCATED IN THE CONTROL AREA. ADDITIONAL EMERGENCY OFF BUTTONS TO BE LOCATED BY CUSTOMER/CONTRACTOR IF NEEDED. WIRES TO SHUNT TRIP PER CODE.
 - THE CUSTOMER/CONTRACTOR SHALL SUPPLY AND INSTALL ALL CIRCUIT BREAKERS, CONDUITS, JUNCTION BOXES, DUCT, ETC. PER CODE.
 - GROUND ELECTRODE PER N.E.C. ARTICLE 250-26(C) BUILDING STEEL, WATER PIPE, OR GROUNDING ELECTRODE.
 - GROUNDING MUST BE PROVIDED IN ACCORDANCE WITH ALL APPLICABLE LEGAL REQUIREMENT FOR MEDICALLY USED ELECTRICAL EQUIPMENT.



1 CIRCUIT BREAKER WITH "PDU" WIRING DIAGRAM

SCALE: NOT TO SCALE

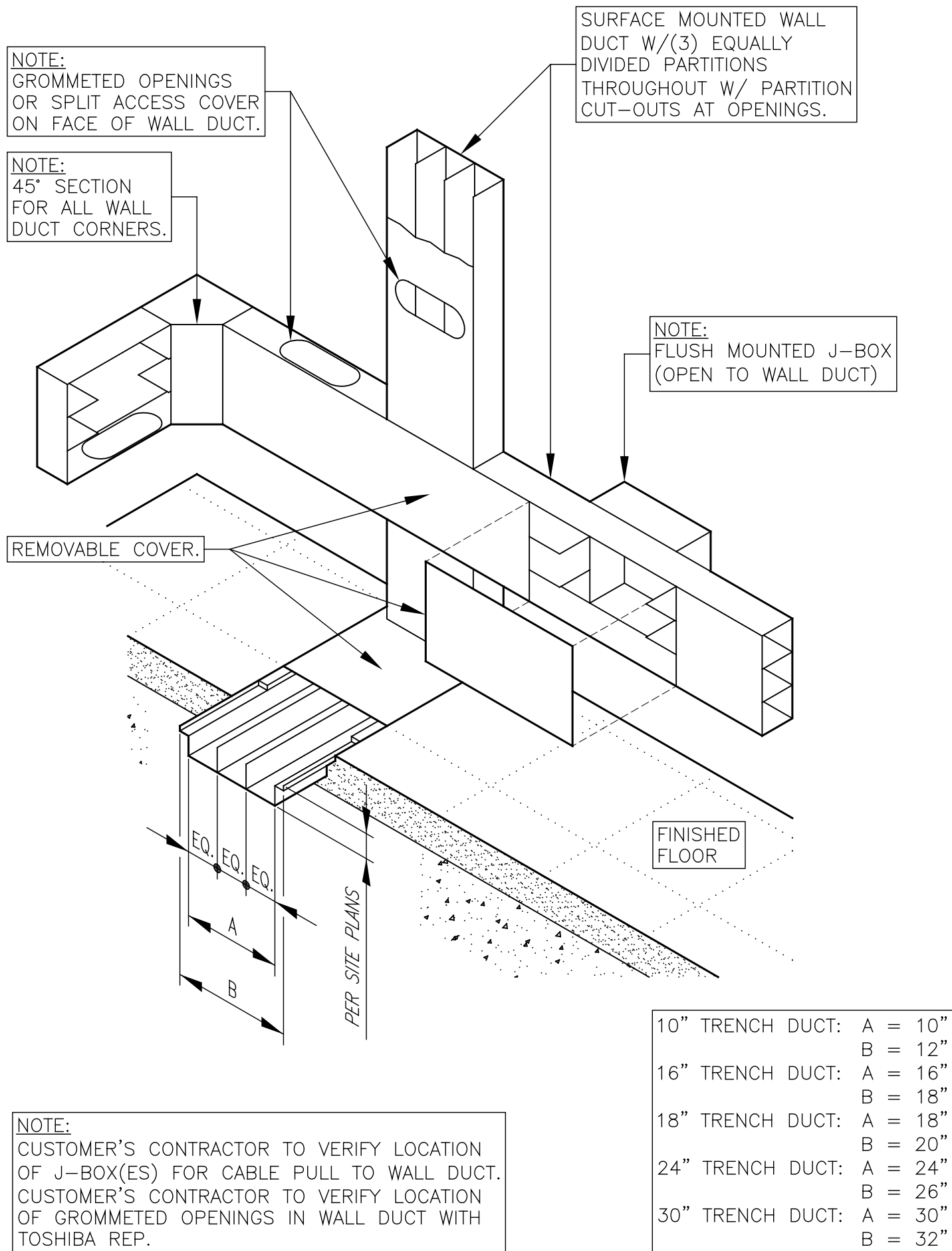
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2 WARNING LIGHT DETAIL

SCALE: NOT TO SCALE

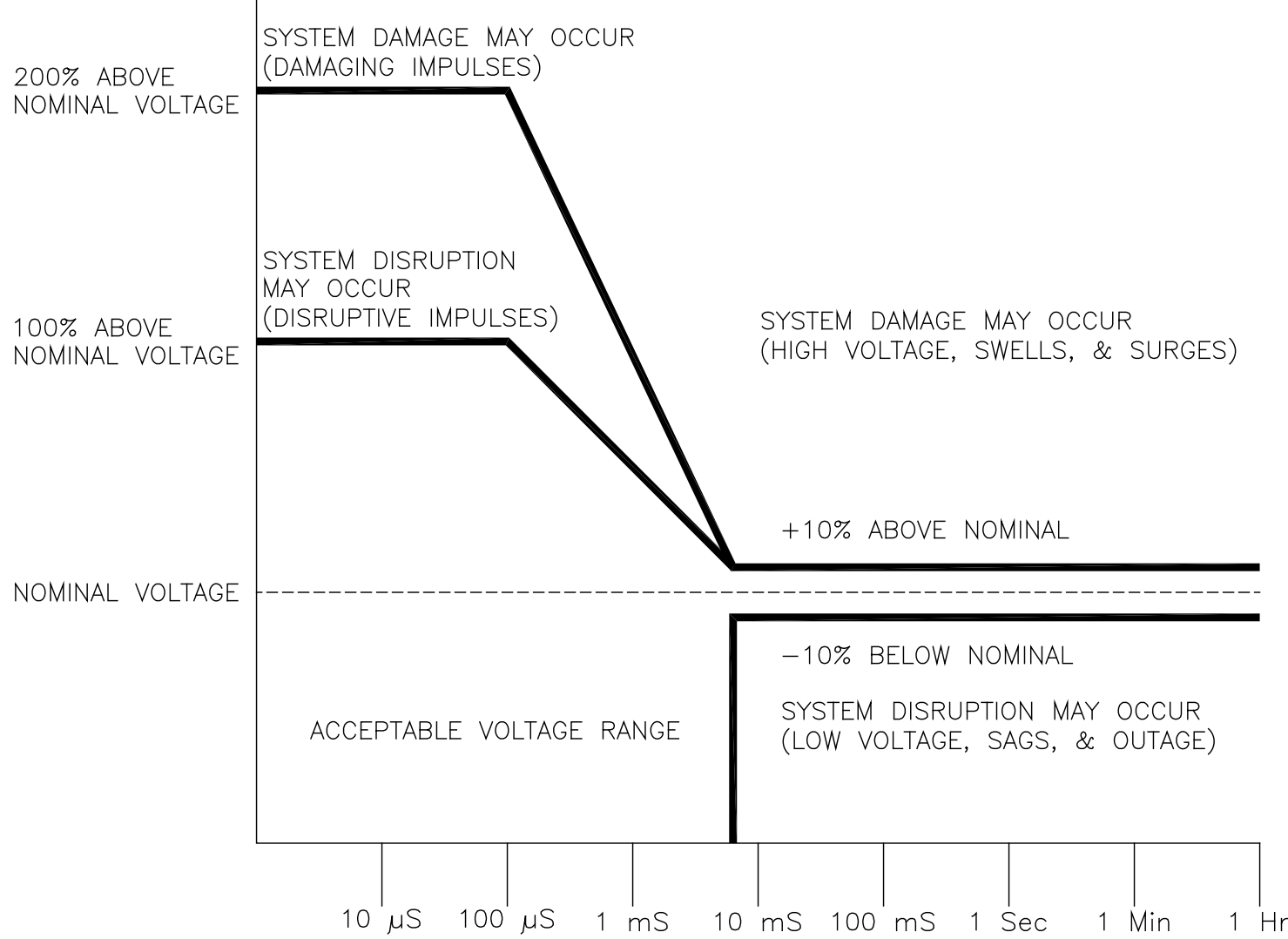
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3 TYPICAL WALL DUCT DETAIL WITH TRENCH DUCT / J-BOX / VERTICAL RISER

SCALE: NOT TO SCALE

10-07-11



4 KALARE W/ PDU POWER REQUIREMENTS

SCALE: NOT TO SCALE

10-07-11

POWER QUALITY REQUIREMENTS KALARE WITH PDU

SUPPLY CONFIGURATION:				3 PHASE DELTA CONNECTION (3 WIRE POWER AND GROUND)
KVA RATING:				86.00
VOLTAGE (SEE NOTE B):				480V, 60Hz
CALCULATED CURRENT (AMP):				103.44
CIRCUIT BREAKER (AMP) (SEE NOTE F):				80
% IMPEDANCE:				5.00
LINE RESIST. SPEC.:				0.000
MAXIMUM CURRENT (AMPS):				103.44
VOLTAGE DROP (VOLTS):				24.00
LINE RESIST. (OHMS):				0.232
LINE DROP (PERCENT):				1.50
LINE DROP (VOLTS):				7.20
CONDUCTOR (OHMS):				0.070
TEMPERATURE:				68°F (20°C)
CONDUCTOR SIZES (SEE NOTE E)	OHMS PER 1000 FT.	TEMP DERATED	NEC 75 °C	LENGTH (FT.)
4 AWG	0.3210	0.2640	85	132
3 AWG	0.2540	0.2089	100	167
2 AWG	0.2010	0.1653	115	211
1 AWG	0.1600	0.1316	130	265
1/0 AWG	0.1270	0.1044	150	333
2/0 AWG	0.1010	0.0831	175	419
PDU MAX INPUT WIRE SIZE IS 2/0				

STANDARD POWER QUALITY NOTES

- 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.
- GROUND CONDUCTORS ARE REQUIRED TO BE THE SAME SIZE AS THE PHASE CONDUCTORS UNLESS A LARGER SIZE IS REQUIRED BY CODE.
- 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.

TRISTAN ASSOCIATES

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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

PLANNER: M.S.

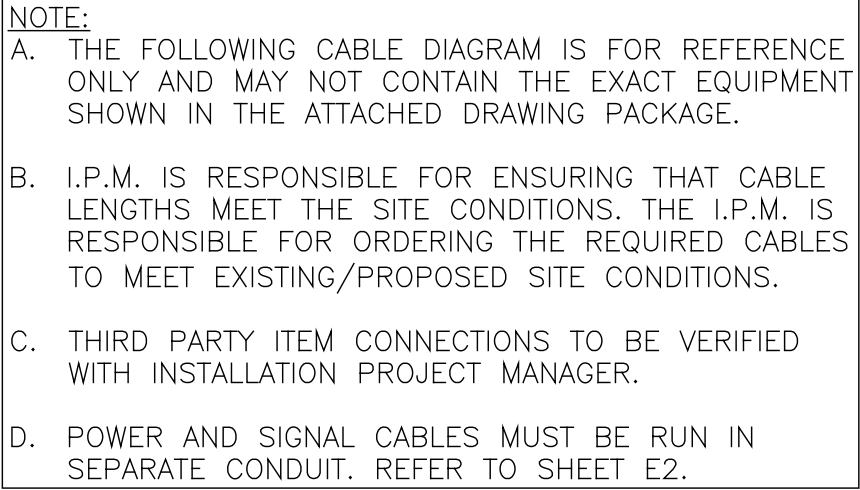
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E3

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TRISTAN ASSOCIATES		REV	DATE	DESCRIPTION	INT
(R/F ROOM – KALARE)					
4518 UNION DEPOSIT ROAD HARRISBURG, PA 17111					

DATE:	11-13-13
SCALE:	AS NOTED
PLANNER:	M.S.
SID NO:	30005332
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