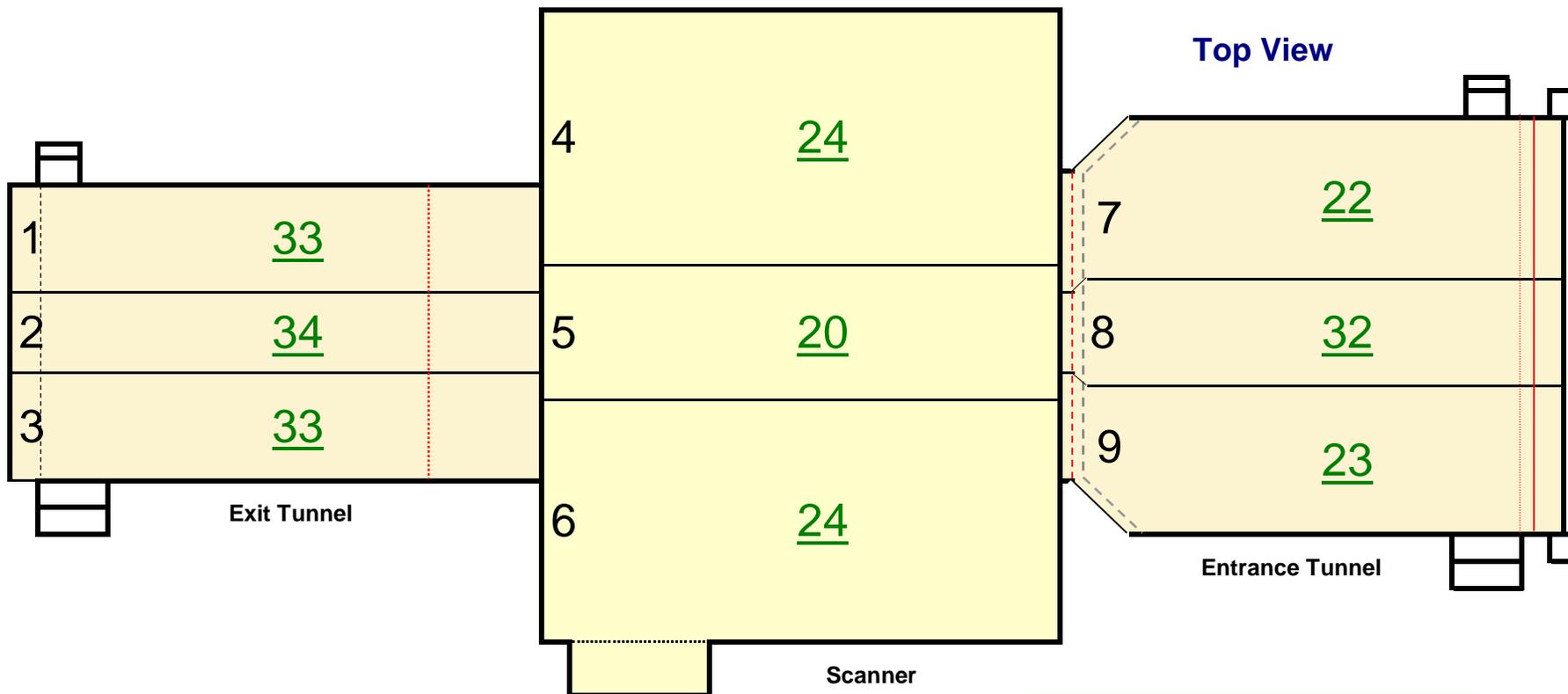


RADIATION SURVEY WORKSHEET

eXaminer Radiation Survey Information

Airport: FLL	Scanner Location: Terminal 4 Pod 4	Case#: FLL360799
Personnel Performing Radiation Survey: XXXXXXXXXX		Date Survey Performed: 3/13/2011
Scanner Serial Number: 6701	Entrance Tunnel Serial Number: 2130A	Exit Tunnel Serial Number: 5382B
High Reading: 50 Average Reading: 28.57 Min. Reading: 15	High Reading: 145 Average Reading: 42.03 Min. Reading: 18	High Reading: 124 Average Reading: 42.08 Min. Reading: 11
Good	Good	Good
Radiation Meter: Type Meter: 451P	Meter Serial Number: 46	Calibration Due Date: March 10, 2012
N O T E S		
Complete Radiation Survey (CRS)	Record Voltage and Bean Current here:	
Rename this Document before starting the Survey to: FLL-CRS-13MAR2011-6701	Voltage: 165 KV	Beam Current: 9.8 mA
	Maximum Safe Readings	Scanner 350 Tunnels 350 Curtains 350
Step:	Procedure	Expected results
1.	Set Up: Obtain Inovision Ion Chamber Survey Meter and in an area away from the scanners, turn on the meter by pressing the On-Off key. Wait approx. 4 minutes for the meter to run through the initialization procedure.	The GUI will be visible and will indicate Standby. After the radiation meter initialization procedure is complete the meter will be reading less than 20 μ R/hr and the meter will be ready for use.
2.	The scanner will be in Standby. Change the conveyor switch on the scanner to Stop. Change the exit tunnel conveyor switch to Off to stop the conveyor.	Both conveyors should be stopped.
3.	On the GUI dropdown screen, select diagnostic, followed by Radiation Survey. A radiation survey window will appear. Click "Turn On" button to turn x-rays on. Turn on x-rays prompt will say "Place survey bag on belt". Place IQTK bag on Entry Conveyor Belt.	A window indicating "Radiation Survey" will appear.
4.	When "Bag in survey position" appears, go to the FCC monitor and select "2" then <Enter>, verify and record the voltage and current in the displayed on the FCC screen in the planks provided above.	The high voltage is between 144KV and 176KV . The current is between 8.8mA and 10.6mA and the scanner X-ray indicator lights are on.
5.	Survey one of the areas indicated by the boxes in Appendix A2. Record the highest reading within the area. Repeat the process until all areas are surveyed and readings are recorded.	As the survey is conducted, the radiation meter indicates the degree of radiation emission.
6.	Review all radiation data sheets for high readings.	Readings shall not exceed 350 uR/hr in any box.
7.	After radiation survey is complete, click on "Start Conveyor" button on the GUI. Click the "Turn Off" button to turn off x-rays. Next click "Done". The IQTK bag will eject from exit tunnel. EDAC will reboot.	IQTK bag is ejected and scanner reboots.
7.	Visually inspect the entrance and exit of the system for X-ray caution hazard signs.	X-ray hazard signs reading "Do not insert any part of the body when system is energized" are posted at entrance and exit of system.
9.	Fill out the eXaminer radiation sticker and adhere to to the frame of the eXaminer under door #5 on the left side of the scanner.	Readings shall not exceed 350 uR/hr in any box.

RADIATION SURVEY WORKSHEET



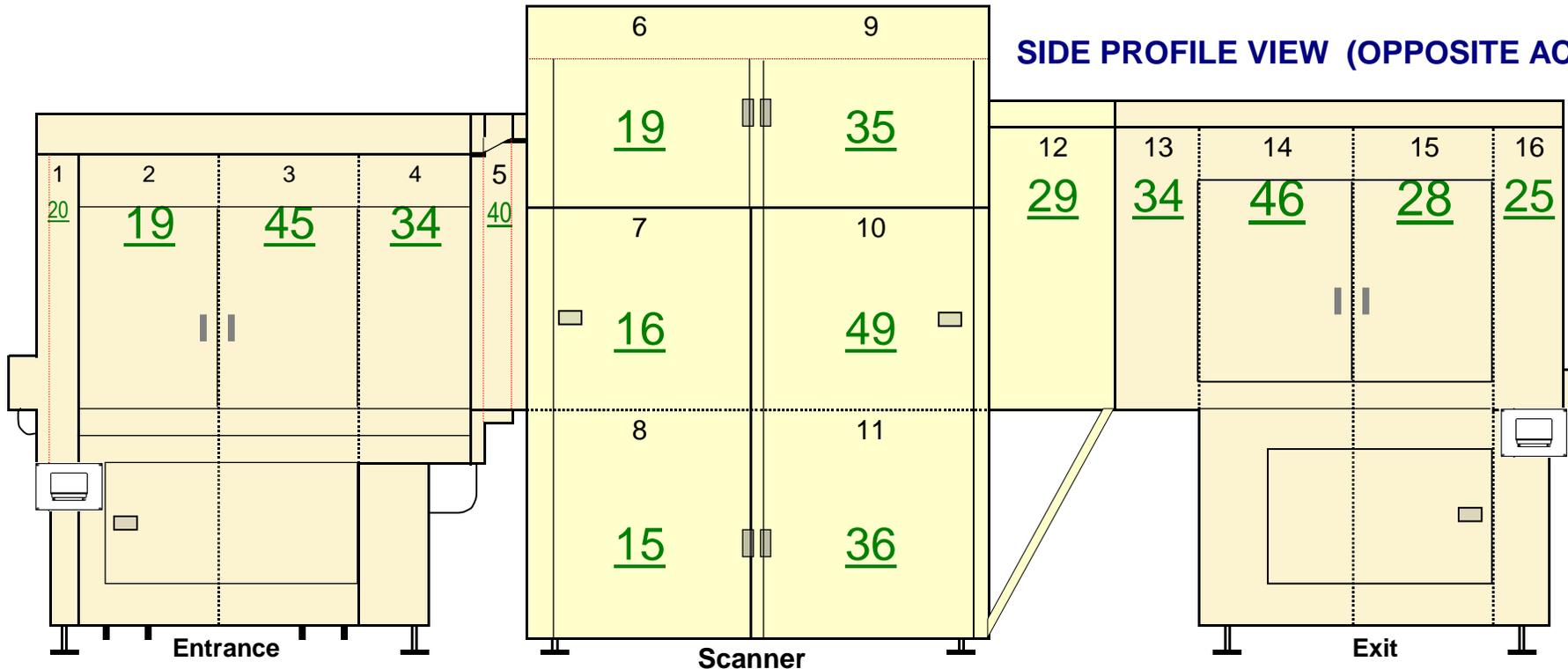
GOOD

Top View			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		μR/Hr	
1	Exit Conveyor Top Panel	33	
2	Exit Conveyor Top Panel	34	
3	Exit Conveyor Top Panel	33	
4	Scanner Conveyor Top Panel	24	
5	Scanner Conveyor Top Panel	20	
6	Scanner Conveyor Top Panel	24	
7	Entrance Conveyor Top Panel	22	
8	Entrance Conveyor Top Panel	32	
9	Entrance Conveyor Top Panel	23	

Highest Reading	34
Average Reading	27
Lowest Reading	20

RADIATION SURVEY WORKSHEET

SIDE PROFILE VIEW (OPPOSITE AC)



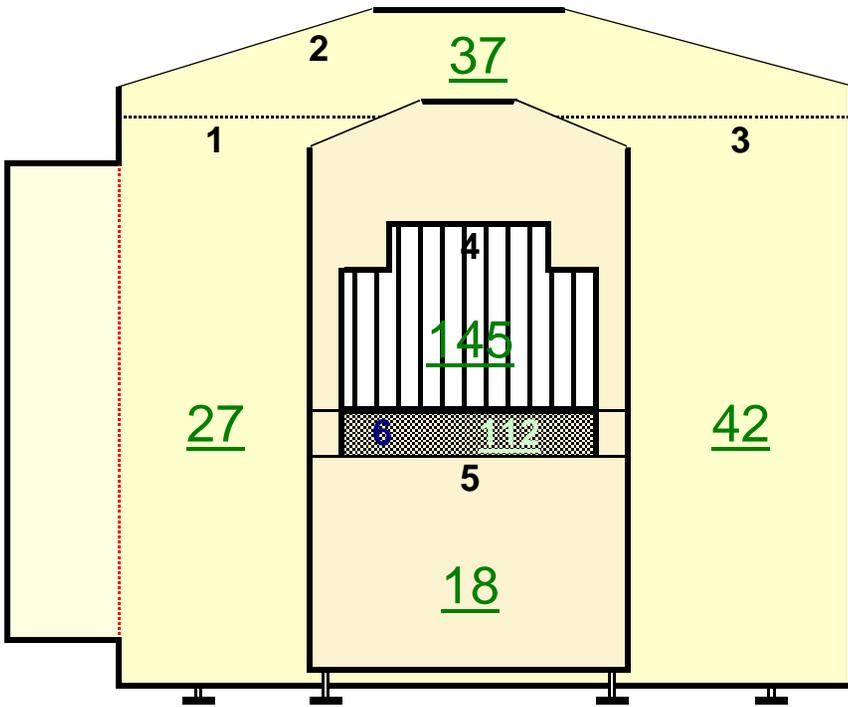
SYSTEM - SIDE PROFILE VIEW (Opposite AC Side)			
Scattered Radiation Measurement Points Worksheet			No
Record highest reading per panel			PROBLEM
		μR/Hr	
1	Entrance Conveyor Panel	20	
2	Entrance Conveyor Panel	19	
3	Entrance Conveyor Panel	45	
4	Entrance Conveyor Panel	34	
5	Entrance Conveyor / Scanner Panel	40	
6	Upper Scanner Panel	19	
7	Middle Scanner Panel	16	
8	Lower Scanner Panel	15	
9	Upper Scanner Panel	35	
10	Middle Scanner Panel	49	
11	Lower Scanner Panel	36	
12	Exit Conveyor / Scanner Panel	29	
13	Exit Conveyor Panel	34	
14	Exit Conveyor Panel	46	
15	Exit Conveyor Panel	28	
16	Exit Conveyor Panel	25	

GOOD

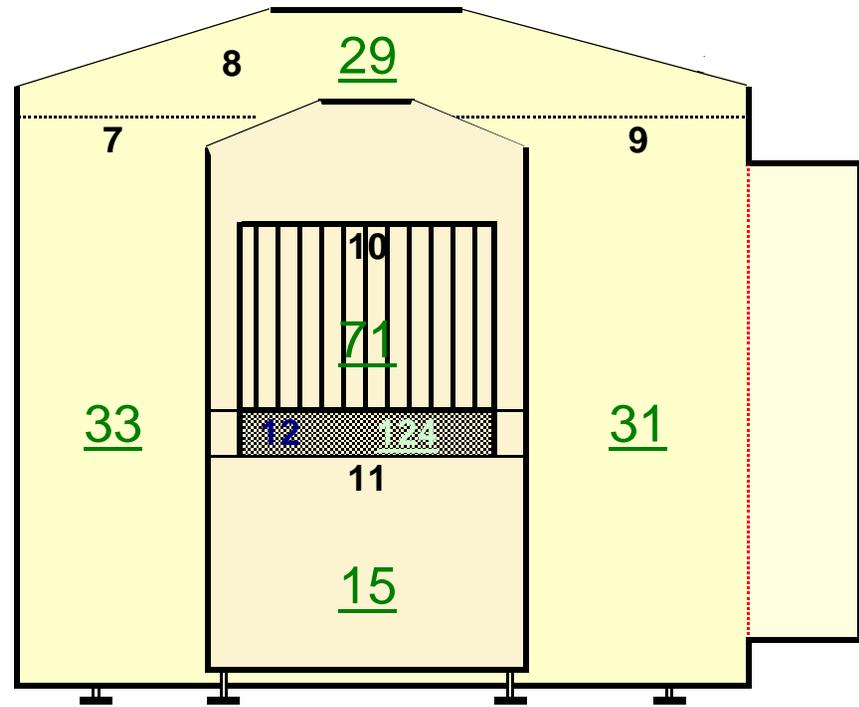
Highest Reading	49
Average Reading	31
Low Reading	15

RADIATION SURVEY WORKSHEET

SYSTEM - FACES (End Views)



eXaminer entrance



eXaminer exit

SYSTEM - FACES (End Views)			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		µR/Hr	
1	Scanner Panel	27	
2	Scanner Top Panel	37	
3	Scanner Panel	42	
4	Belt Entrance	145	
5	Entrance Lower Panel	18	
6	Belt Lower Fascia Cover Entrance	112	
7	Scanner Panel	33	
8	Scanner Top Panel	29	
9	Scanner Panel	31	
10	Belt Exit	71	
11	Exit Lower Panel	15	
12	Belt Lower Fascia Cover Exit	124	

GOOD

Highest Reading	145
Average Reading	57
Low Reading	15