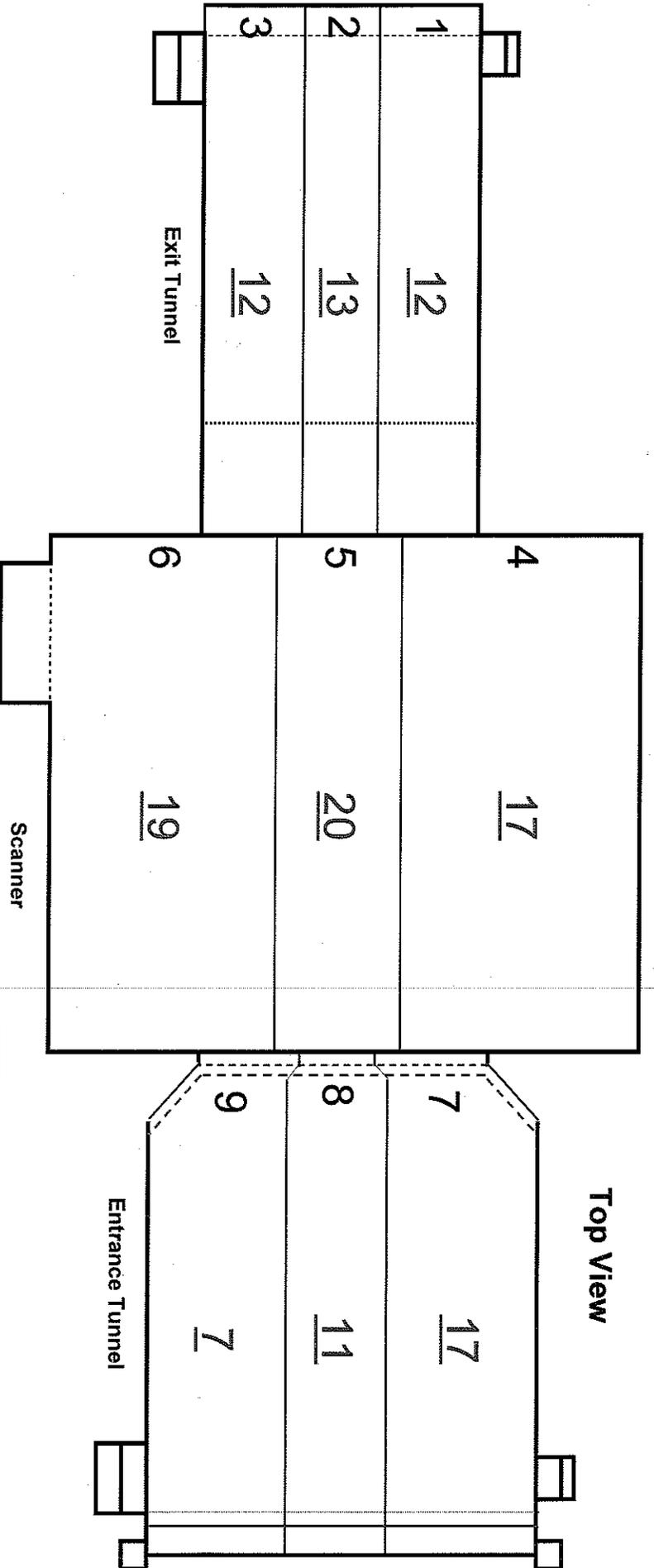


RADIATION SURVEY WORKSHEET

eXaminer Radiation Survey Information

Airport: Palm Beach International Airport		Scanner Location: Baggage Handling Room		Case#: PBI-C325806	
Personnel Performing Radiation Survey:				Date Survey Performed: 10/6/2010	
Scanner Serial Number: 6324		Entrance Tunnel Serial Number: 2266A		Exit Tunnel Serial Number: 2266B	
High Reading: 38	Average Reading: 13.37	Min. Reading: 3	High Reading: 96	Average Reading: 31.78	Min. Reading: 7
Good		Good		Good	
Radiation Meter: Type Meter: 451P	Meter Serial Number: 263	Calibration Due Date: October 22, 2010			
COMPLETE RESULTS					
Complete Radiation Survey (CRS)			Record Voltage and Bean Current here:		
Rename this Document before starting the Survey to: PBI-CRS-6OCT2010-6324			Voltage:	164 KV	Beam Current: 9.8 mA
			Maximum Safe Readings	Scanner 350	Tunnels 350
			Expected results		
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 µR/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

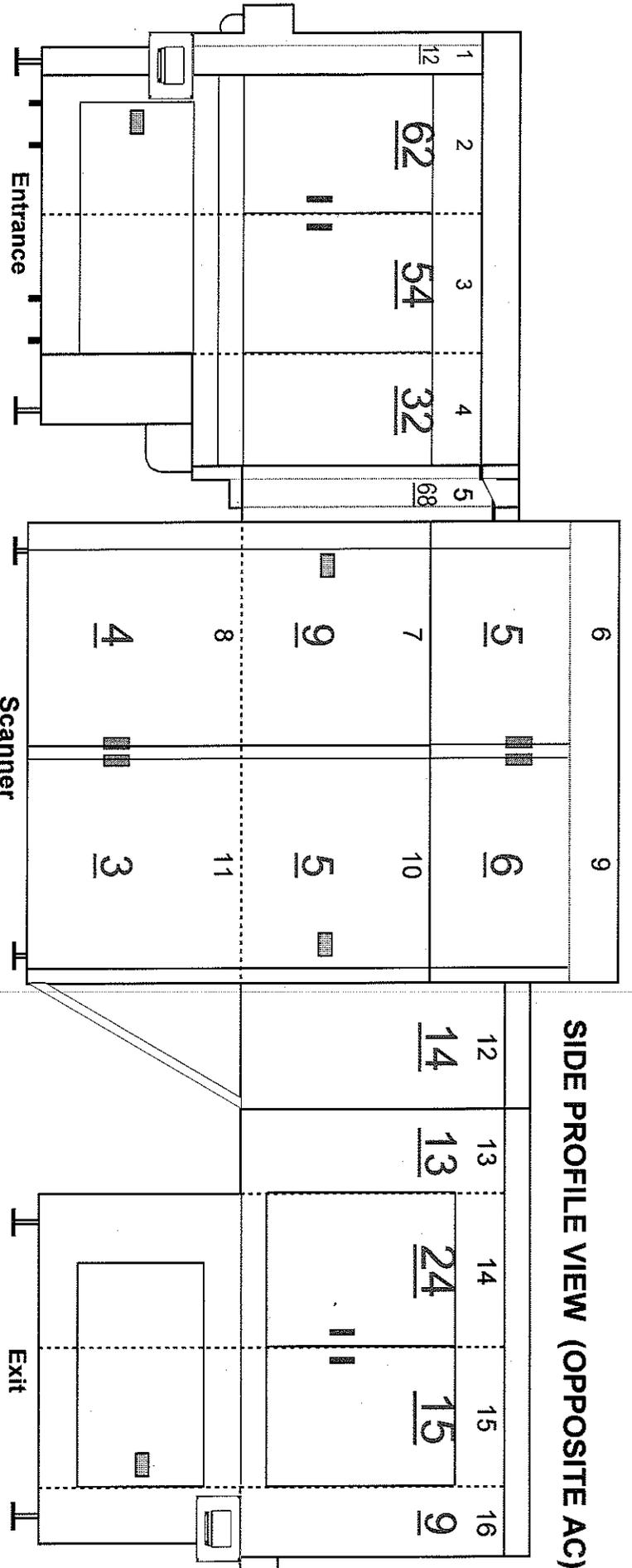


Top View		
Scattered Radiation Measurement Points Worksheet		
Record highest reading per panel	µR/hr	No PROBLEM
1 Exit Conveyor Top Panel	12	
2 Exit Conveyor Top Panel	13	
3 Exit Conveyor Top Panel	12	
4 Scanner Conveyor Top Panel	17	
5 Scanner Conveyor Top Panel	20	
6 Scanner Conveyor Top Panel	19	
7 Entrance Conveyor Top Panel	17	
8 Entrance Conveyor Top Panel	11	
9 Entrance Conveyor Top Panel	7	

GOOD

Highest Reading	20
Average Reading	14
Lowest Reading	7

RADIATION SURVEY WORKSHEET

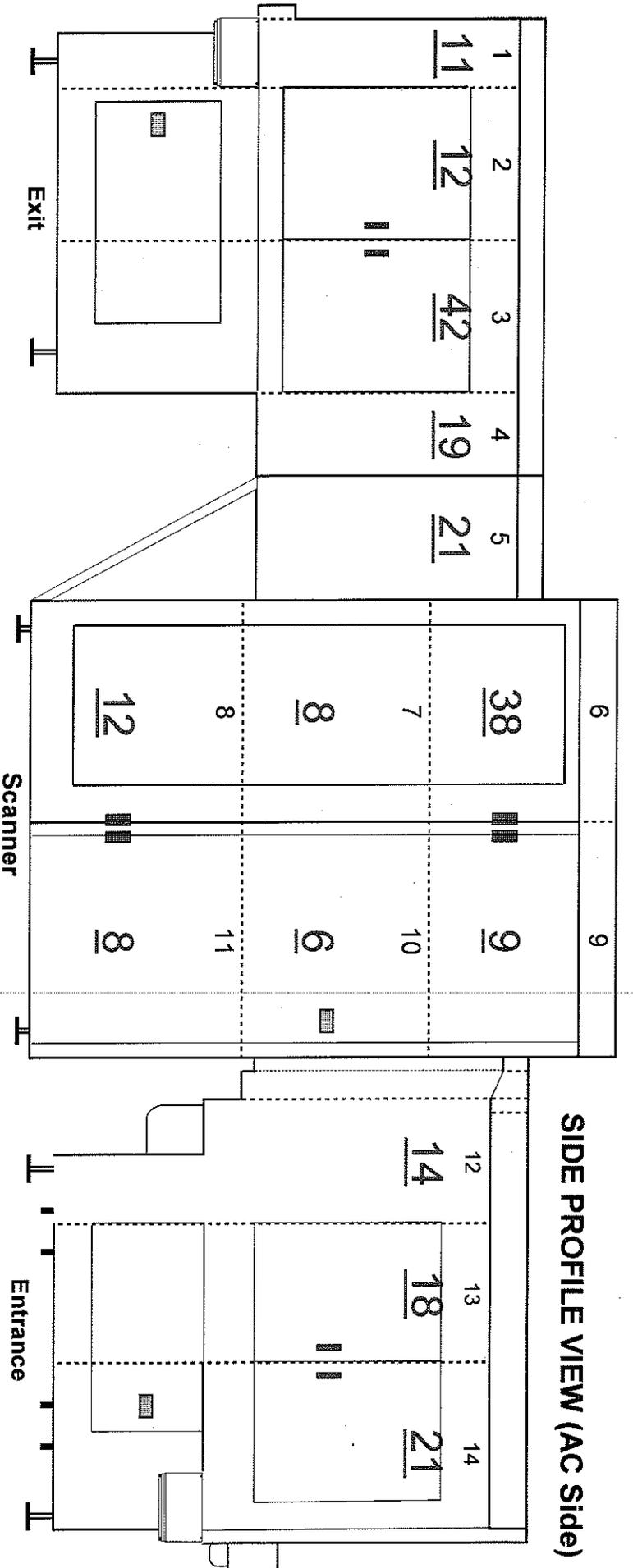


SYSTEM - SIDE PROFILE VIEW (Opposite AC Side)		
Scattered Radiation Measurement Points Worksheet		
Record highest reading per panel	$\mu\text{R}/\text{Hr}$	No PROBLEM
1 Entrance Conveyor Panel	12	
2 Entrance Conveyor Panel	62	
3 Entrance Conveyor Panel	54	
4 Entrance Conveyor Panel	32	
5 Entrance Conveyor / Scanner Panel	68	
6 Upper Scanner Panel	5	
7 Middle Scanner Panel	9	
8 Lower Scanner Panel	4	
9 Upper Scanner Panel	6	
10 Middle Scanner Panel	5	
11 Lower Scanner Panel	3	
12 Exit Conveyor / Scanner Panel	14	
13 Exit Conveyor Panel	13	
14 Exit Conveyor Panel	24	
15 Exit Conveyor Panel	15	
16 Exit Conveyor Panel	9	

GOOD

Highest Reading	68
Average Reading	21
Low Reading	3

RADIATION SURVEY WORKSHEET



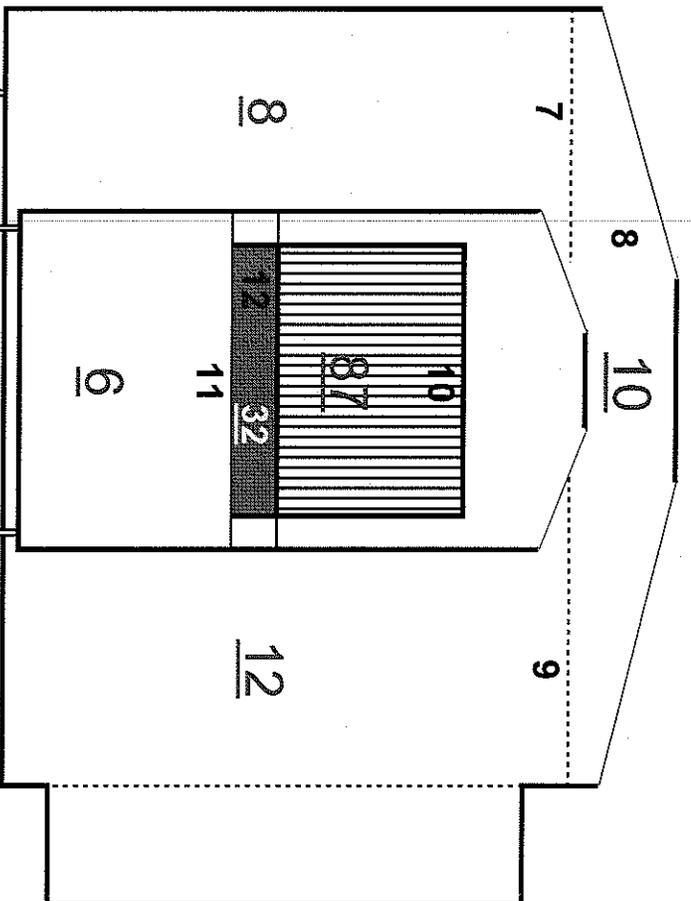
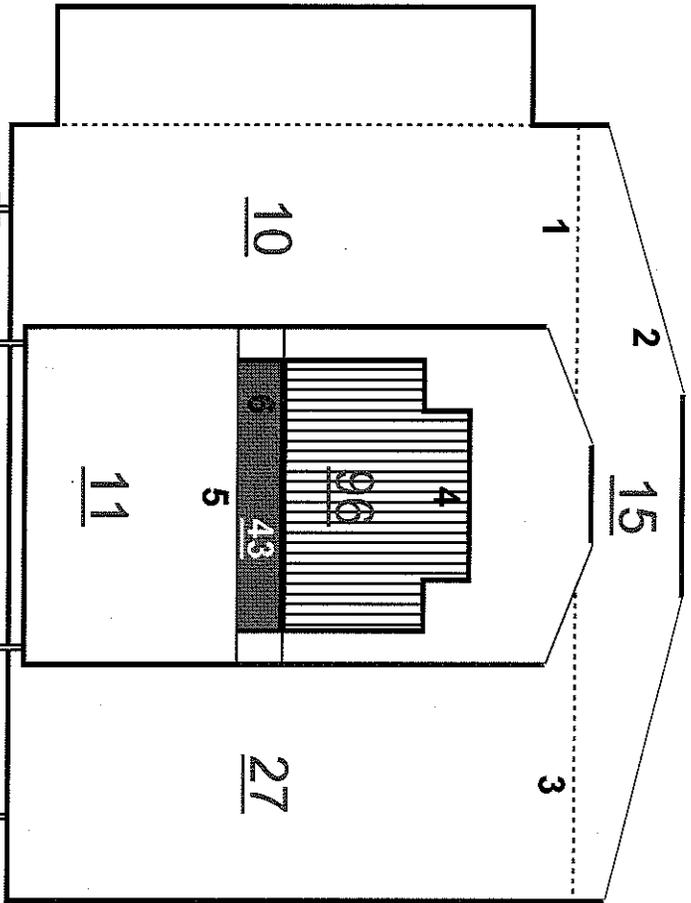
SYSTEM - SIDE PROFILE VIEW (AC Side)		
Scattered Radiation Measurement Points Worksheet		
Record highest reading per panel	µR/HR	No PROBLEM
1 Exit Conveyor Panel	11	
2 Exit Conveyor Panel	12	
3 Exit Conveyor Panel	42	
4 Exit Conveyor Panel	19	
5 Exit Conveyor / Scanner Panel	21	
6 Upper Scanner Pane	38	
7 Middle Scanner Panel	8	
8 Lower Scanner Panel	12	
9 Upper Scanner Panel	9	
10 Middle Scanner Panel	6	
11 Lower Scanner Panel	8	
12 Entrance Conveyor / Scanner Panel	14	
13 Entrance Conveyor Panel	18	
14 Entrance Conveyor Panel	21	

GOOD

Highest Reading	42
Average Reading	17
Low Reading	6

RADIATION SURVEY WORKSHEET

SYSTEM - FACES (End Views)



SYSTEM - FACES (End Views)		
Scattered Radiation Measurement Points Worksheet		
Record highest reading per panel	µR/Hr	No PROBLEM
1 Scanner Panel	10	
2 Scanner Top Panel	15	
3 Scanner Panel	27	
4 Belt Entrance	96	
5 Entrance Lower Panel	11	
6 Belt Lower Facia Cover Entrance	43	
7 Scanner Panel	8	
8 Scanner Top Panel	10	
9 Scanner Panel	12	
10 Belt Exit	87	
11 Exit Lower Panel	6	
12 Belt Lower Facia Cover Exit	32	

eXaminer exit

GOOD

Highest Reading	96
Average Reading	30
Low Reading	6