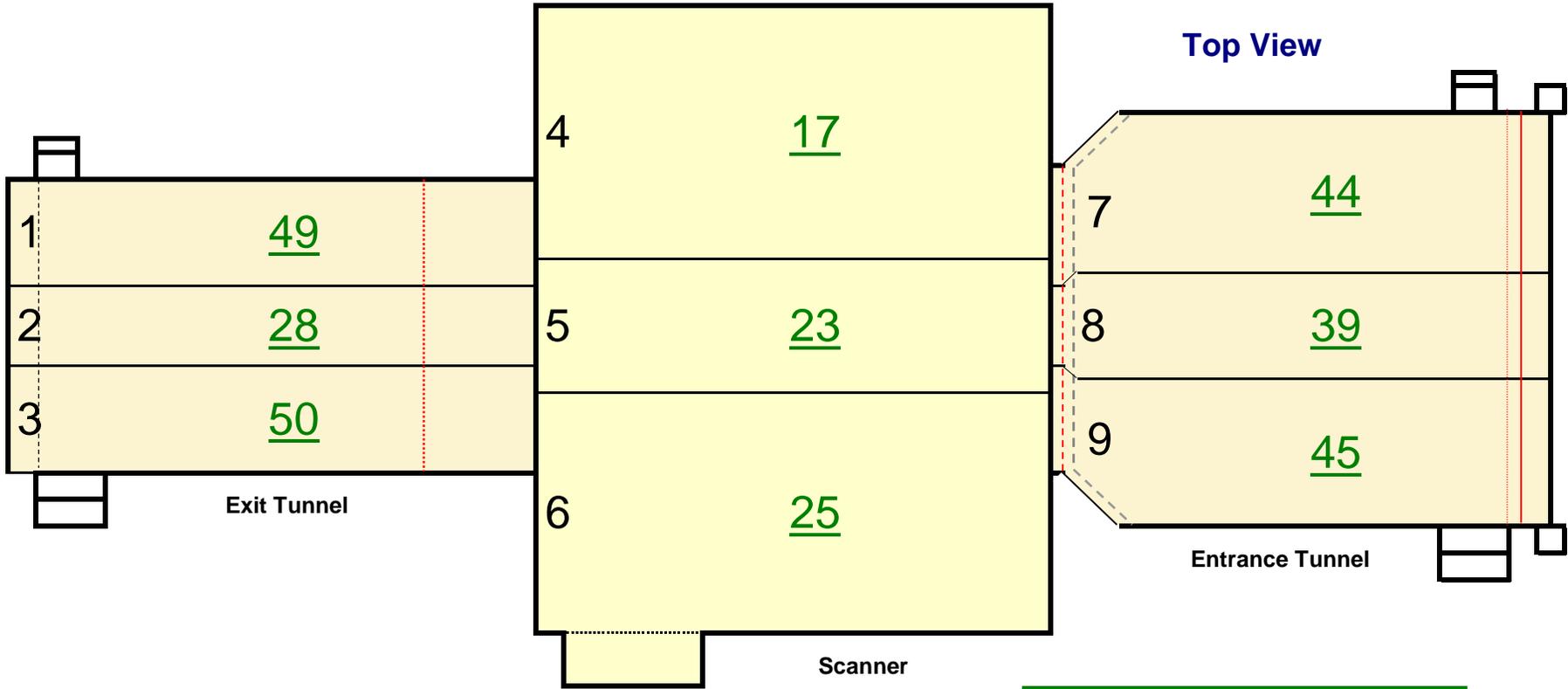


RADIATION SURVEY WORKSHEET

eXaminer Radiation Survey Information

Airport: Orlando International Airport	Scanner Location: MCO Baggage Handling Room	Case#: MCO357152
Personnel Performing Radiation Survey: XXXXXXXXXX		Date Survey Performed: 3/10/2011
Scanner Serial Number: 6889	Entrance Tunnel Serial Number: 5513A	Exit Tunnel Serial Number: 5513B
High Reading: 63 Average Reading: 26.02 Min. Reading: 12	High Reading: 82 Average Reading: 33.09 Min. Reading: 17	High Reading: 58 Average Reading: 34.00 Min. Reading: 19
Good	Good	Good
Radiation Meter: Type Meter: 451P	Meter Serial Number: 243	Calibration Due Date: December 20, 2011
N O T E S		
Complete Radiation Survey (CRS)	Record Voltage and Beam Current here:	
Rename this Document before starting the Survey to:	Voltage: 165527 KV	Beam Current: 9.9 mA
MCO-CRS-10MAR2011-6889	Maximum Safe Readings	Scanner 350 Tunnels 350 Curtains 350
Step:	Procedure	Expected results
1.	Set Up: Obtain Invision 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 stickers and place on the eXaminer in accordance with Examiner Technical Bulletin ex253.	Readings shall not exceed 350 uR/hr in any box.

RADIATION SURVEY WORKSHEET



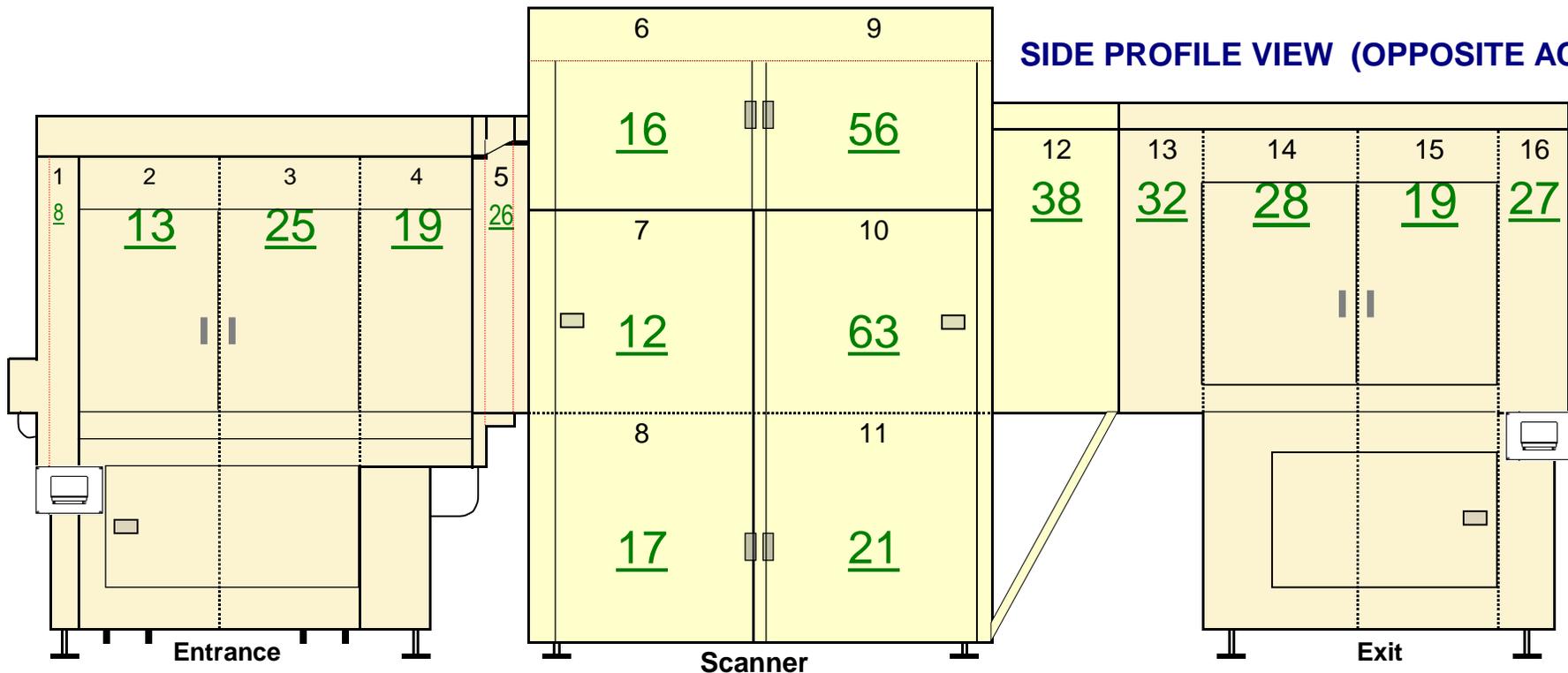
GOOD

Top View			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel	μR/Hr		
1	Exit Conveyor Top Panel	49	
2	Exit Conveyor Top Panel	28	
3	Exit Conveyor Top Panel	50	
4	Scanner Conveyor Top Panel	17	
5	Scanner Conveyor Top Panel	23	
6	Scanner Conveyor Top Panel	25	
7	Entrance Conveyor Top Panel	44	
8	Entrance Conveyor Top Panel	39	
9	Entrance Conveyor Top Panel	45	

Highest Reading	50
Average Reading	36
Lowest Reading	17

RADIATION SURVEY WORKSHEET

SIDE PROFILE VIEW (OPPOSITE AC)



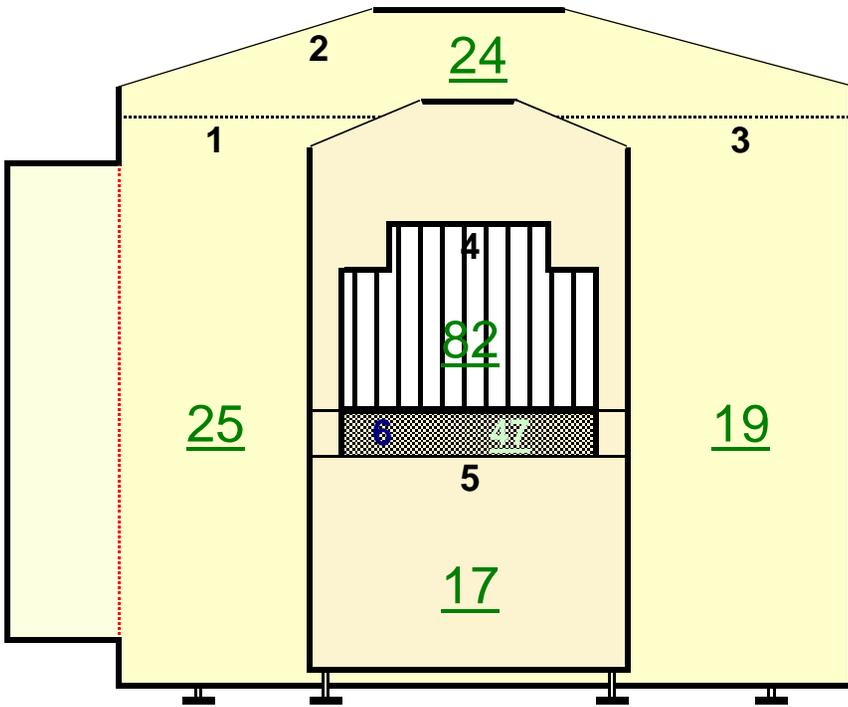
SYSTEM - SIDE PROFILE VIEW (Opposite AC Side)			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		μR/Hr	
1	Entrance Conveyor Panel	8	
2	Entrance Conveyor Panel	13	
3	Entrance Conveyor Panel	25	
4	Entrance Conveyor Panel	19	
5	Entrance Conveyor / Scanner Panel	26	
6	Upper Scanner Panel	16	
7	Middle Scanner Panel	12	
8	Lower Scanner Panel	17	
9	Upper Scanner Panel	56	
10	Middle Scanner Panel	63	
11	Lower Scanner Panel	21	
12	Exit Conveyor / Scanner Panel	38	
13	Exit Conveyor Panel	32	
14	Exit Conveyor Panel	28	
15	Exit Conveyor Panel	19	
16	Exit Conveyor Panel	27	

GOOD

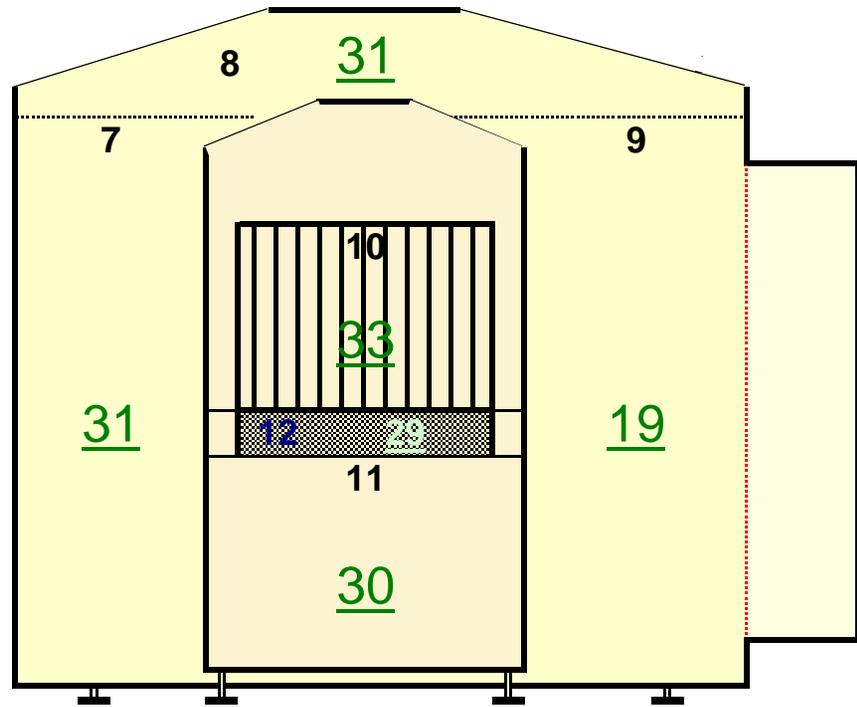
Highest Reading	63
Average Reading	26
Low Reading	8

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		$\mu\text{R}/\text{Hr}$	
1	Scanner Panel	25	
2	Scanner Top Panel	24	
3	Scanner Panel	19	
4	Belt Entrance	82	
5	Entrance Lower Panel	17	
6	Belt Lower Fascia Cover Entrance	47	
7	Scanner Panel	31	
8	Scanner Top Panel	31	
9	Scanner Panel	19	
10	Belt Exit	33	
11	Exit Lower Panel	30	
12	Belt Lower Fascia Cover Exit	29	

GOOD

Highest Reading	82
Average Reading	32
Low Reading	17