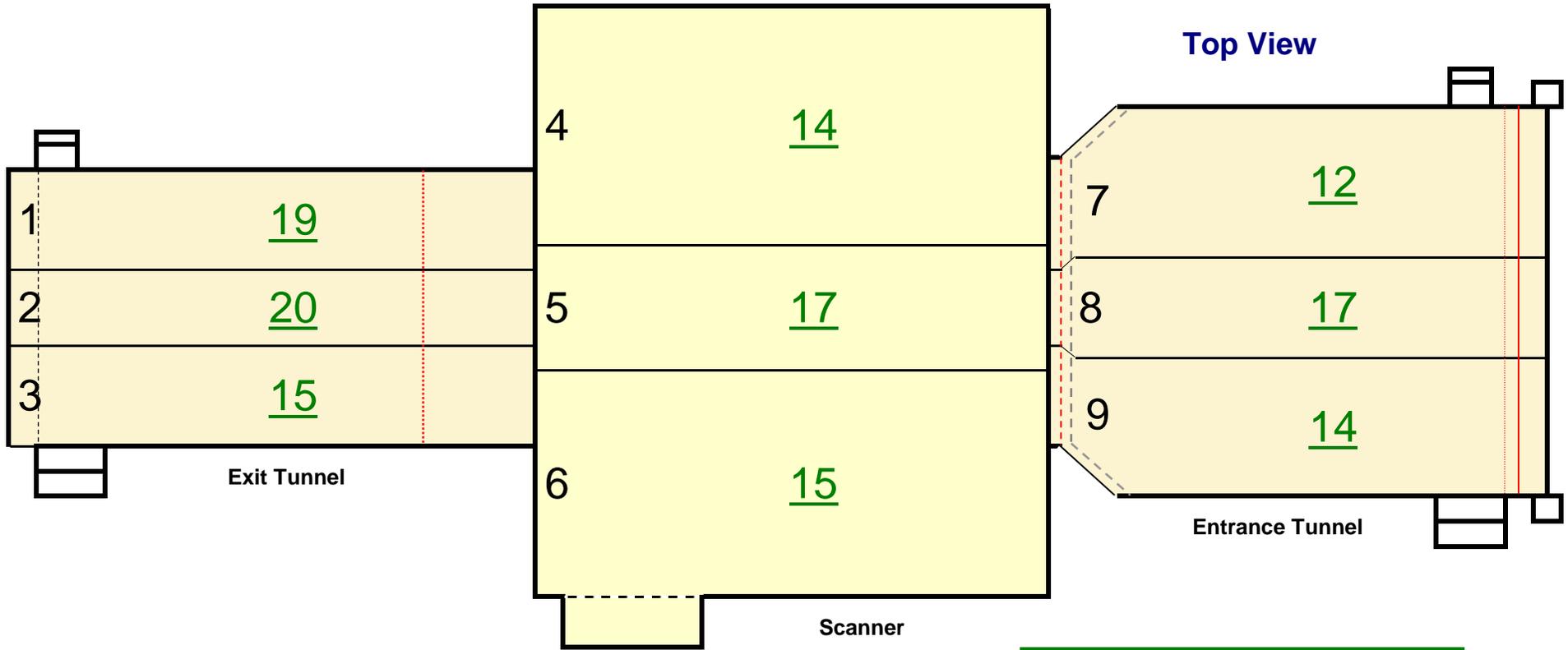


RADIATION SURVEY WORKSHEET

eXaminer Radiation Survey Information

Airport: Southwest Regional Intl. Airport	Scanner Location: Lower Level Baggage Room	Case#: RSW-C359845							
Personnel Performing Radiation Survey: XXXXXXXXXX		Date Survey Performed: 3/22/2011							
Scanner Serial Number: 6496	Entrance Tunnel Serial Number: 2340A	Exit Tunnel Serial Number: 2340B							
High Reading: 25	Average Reading: 13.11	Min. Reading: 9							
High Reading: 113	Average Reading: 41.55	Min. Reading: 12							
High Reading: 111	Average Reading: 41.21	Min. Reading: 11							
Good	Good	Good							
Radiation Meter: Type Meter: 451P	Meter Serial Number: 6495	Calibration Due Date: May 13, 2011							
<div style="display: flex; justify-content: space-between;"> N O T E S (Click Here and SELECT ONE) Record Voltage and Beam Current here: </div>									
Rename this Document before starting the Survey to:		Voltage: 165 KV Beam Current: 9.9 mA							
		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">Maximum Safe Readings</td> <td style="width: 15%;">Scanner</td> <td style="width: 15%;">350</td> <td style="width: 15%;">Tunnels</td> <td style="width: 15%;">350</td> <td style="width: 15%;">Curtains</td> <td style="width: 15%;">350</td> </tr> </table>	Maximum Safe Readings	Scanner	350	Tunnels	350	Curtains	350
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 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

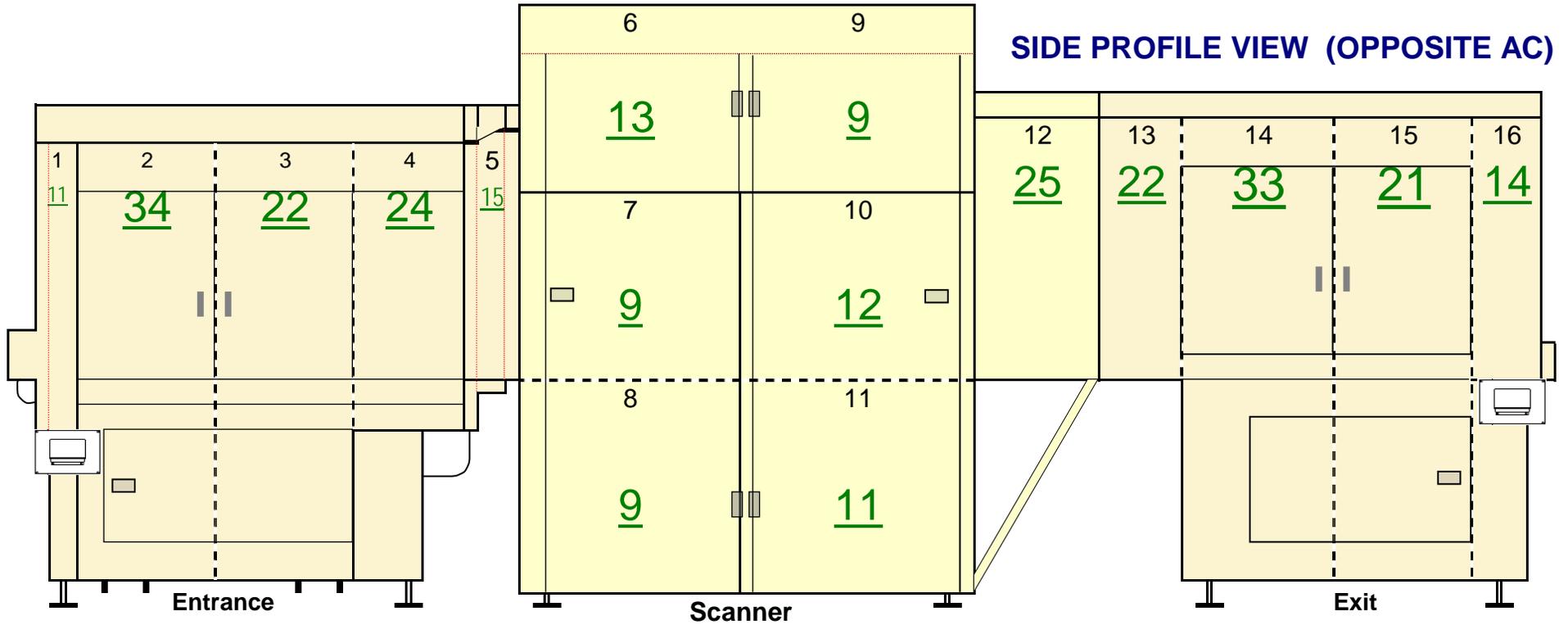


GOOD

Top View			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		μR/Hr	
1	Exit Conveyor Top Panel	19	
2	Exit Conveyor Top Panel	20	
3	Exit Conveyor Top Panel	15	
4	Scanner Conveyor Top Panel	14	
5	Scanner Conveyor Top Panel	17	
6	Scanner Conveyor Top Panel	15	
7	Entrance Conveyor Top Panel	12	
8	Entrance Conveyor Top Panel	17	
9	Entrance Conveyor Top Panel	14	

Highest Reading	20
Average Reading	16
Lowest Reading	12

RADIATION SURVEY WORKSHEET

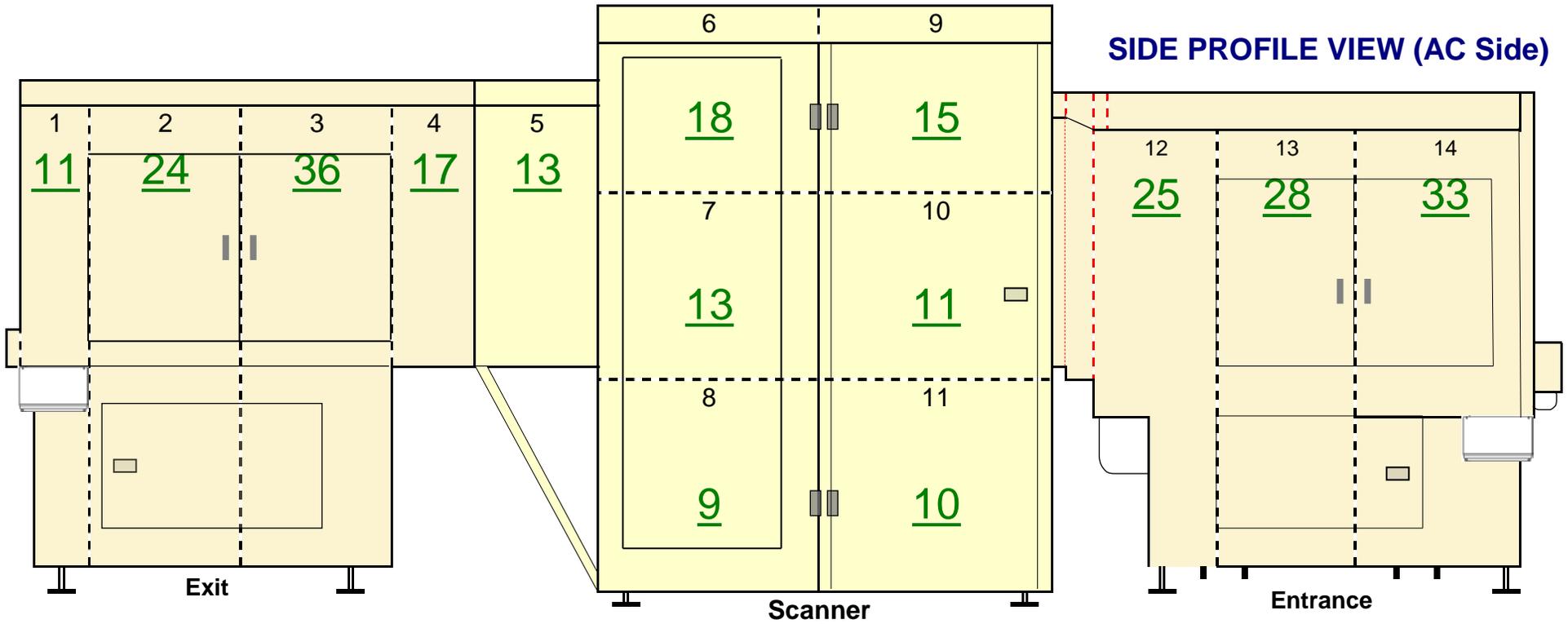


SYSTEM - SIDE PROFILE VIEW (Opposite AC Side)		
Scattered Radiation Measurement Points Worksheet		
	Record highest reading per panel	μR/Hr
1	Entrance Conveyor Panel	11
2	Entrance Conveyor Panel	34
3	Entrance Conveyor Panel	22
4	Entrance Conveyor Panel	24
5	Entrance Conveyor / Scanner Panel	15
6	Upper Scanner Panel	13
7	Middle Scanner Panel	9
8	Lower Scanner Panel	9
9	Upper Scanner Panel	9
10	Middle Scanner Panel	12
11	Lower Scanner Panel	11
12	Exit Conveyor / Scanner Panel	25
13	Exit Conveyor Panel	22
14	Exit Conveyor Panel	33
15	Exit Conveyor Panel	21
16	Exit Conveyor Panel	14

GOOD

Highest Reading	34
Average Reading	18
Low Reading	9

RADIATION SURVEY WORKSHEET



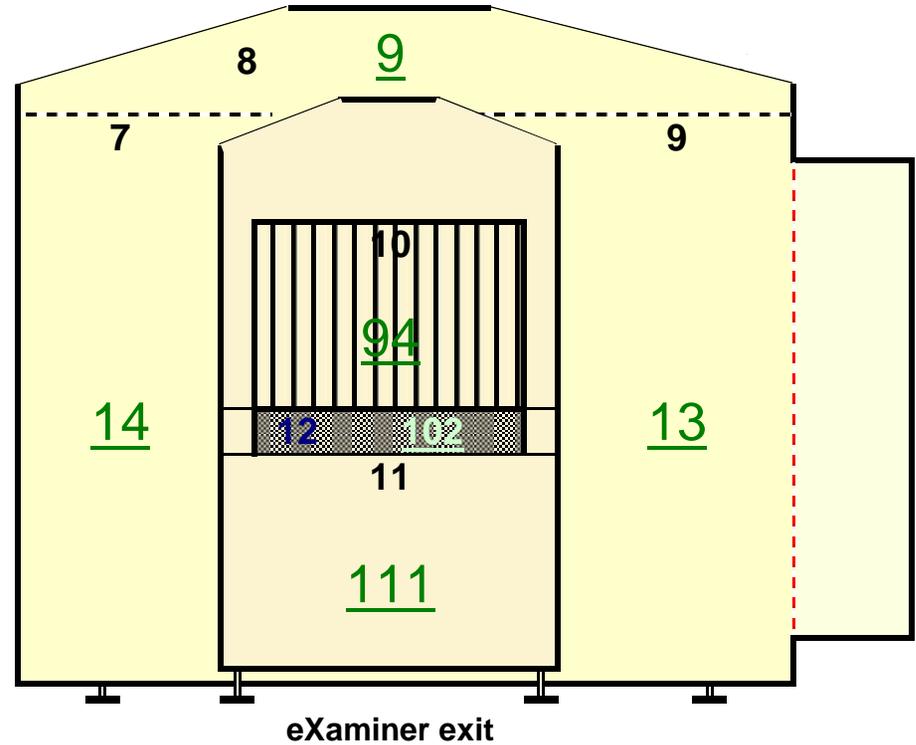
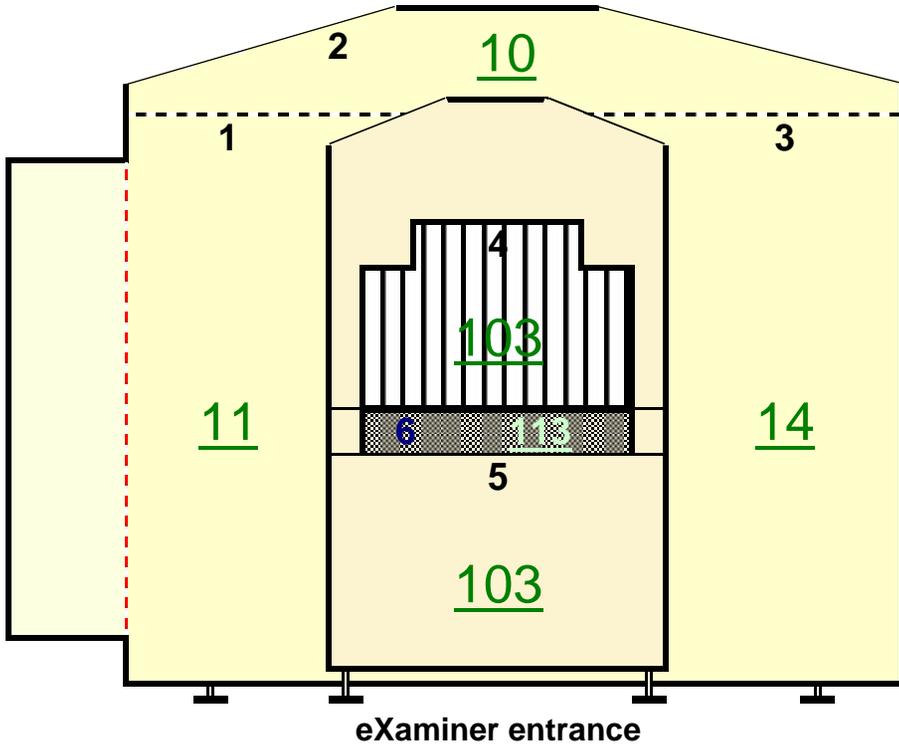
SYSTEM - SIDE PROFILE VIEW (AC Side)			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		µR/Hr	
1	Exit Conveyor Panel	11	
2	Exit Conveyor Panel	24	
3	Exit Conveyor Panel	36	
4	Exit Conveyor Panel	17	
5	Exit Conveyor / Scanner Panel	13	
6	Upper Scanner Pane	18	
7	Middle Scanner Panel	13	
8	Lower Scanner Panel	9	
9	Upper Scanner Panel	15	
10	Middle Scanner Panel	11	
11	Lower Scanner Panel	10	
12	Entrance Conveyor / Scanner Panel	25	
13	Entrance Conveyor Panel	28	
14	Entrance Conveyor Panel	33	

GOOD

Highest Reading	36
Average Reading	19
Low Reading	9

RADIATION SURVEY WORKSHEET

SYSTEM - FACES (End Views)



SYSTEM - FACES (End Views)		
Scattered Radiation Measurement Points Worksheet		
Record highest reading per panel		μR/Hr
1	Scanner Panel	11
2	Scanner Top Panel	10
3	Scanner Panel	14
4	Belt Entrance	103
5	Entrance Lower Panel	103
6	Belt Lower Facia Cover Entrance	113
7	Scanner Panel	14
8	Scanner Top Panel	9
9	Scanner Panel	13
10	Belt Exit	94
11	Exit Lower Panel	111
12	Belt Lower Facia Cover Exit	102

GOOD

Highest Reading	113
Average Reading	58
Low Reading	9