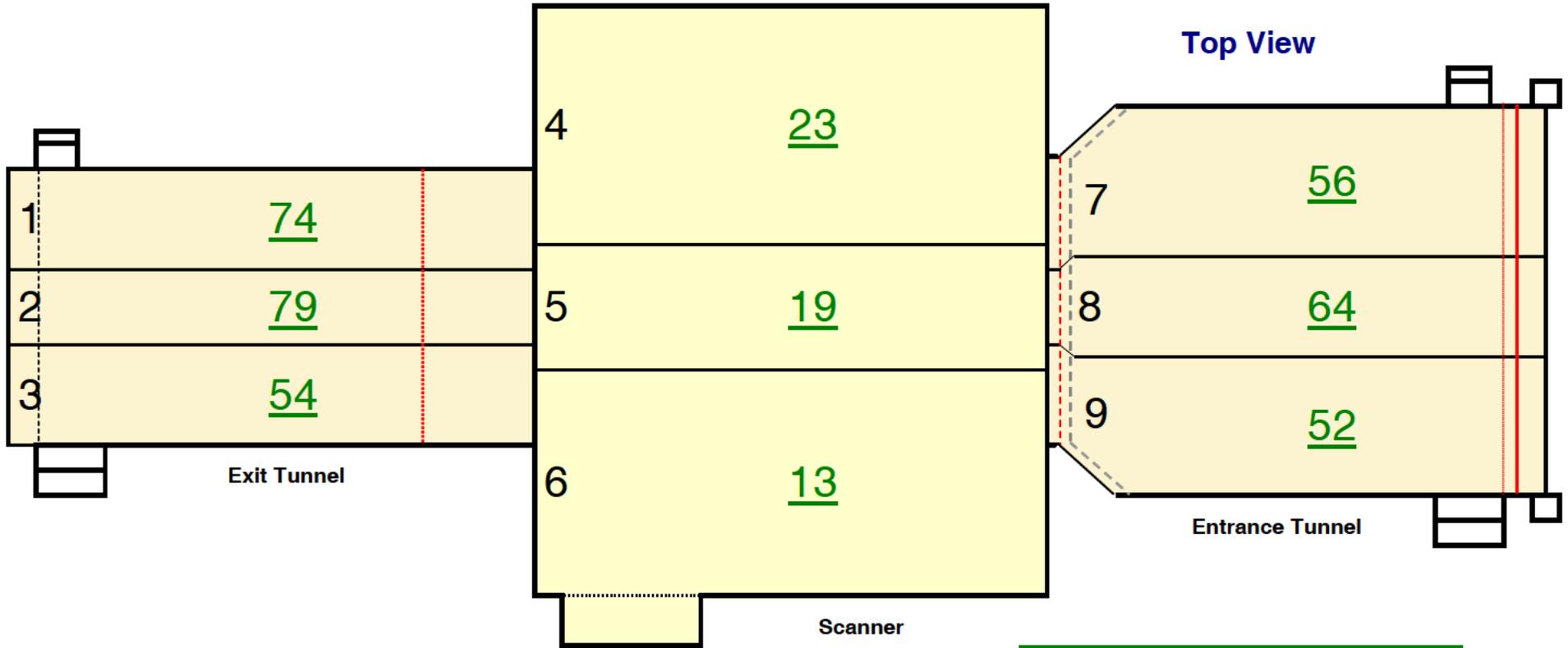


RADIATION SURVEY WORKSHEET

eXaminer Radiation Survey Information

Airport: SJU	Scanner Location: Term.B	Case#: 358706
Personnel Performing Radiation Survey:		Date Survey Performed: 3/16/2011
Scanner Serial Number: 6197	Entrance Tunnel Serial Number: 5214A	Exit Tunnel Serial Number: 5214B
High Reading: 98 Average Reading: 24.03 Min. Reading: 6	High Reading: 214 Average Reading: 59.46 Min. Reading: 11	High Reading: 273 Average Reading: 62.71 Min. Reading: 8
Good	Good	Good
Radiation Meter: Type Meter: 451P	Meter Serial Number: 96	Calibration Due Date: 10'27/2011
<div style="display: flex; justify-content: space-between;"> NOTES Complete Radiation Survey (CRS) Record Voltage and Bean Current here: </div>		
Rename this Document before starting the Survey to: 358-CRS-16MAR2011-6197		Voltage: 164746 KV Beam Current: 9.8 mA Maximum Safe Readings Scanner 350 Tunnels 350 Curtains 350
Step:	Procedure	Expected results
	scanners, turn on the meter by pressing the On-Off key. Wait approx. 4 minutes for the meter to run through the initialization procedure.	initialization procedure is complete the meter will be reading less than 20 uR/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 and door #5 on the left side of the scanner.	Readings shall not exceed 350 uR/hr in any box.

RADIATION SURVEY WORKSHEET

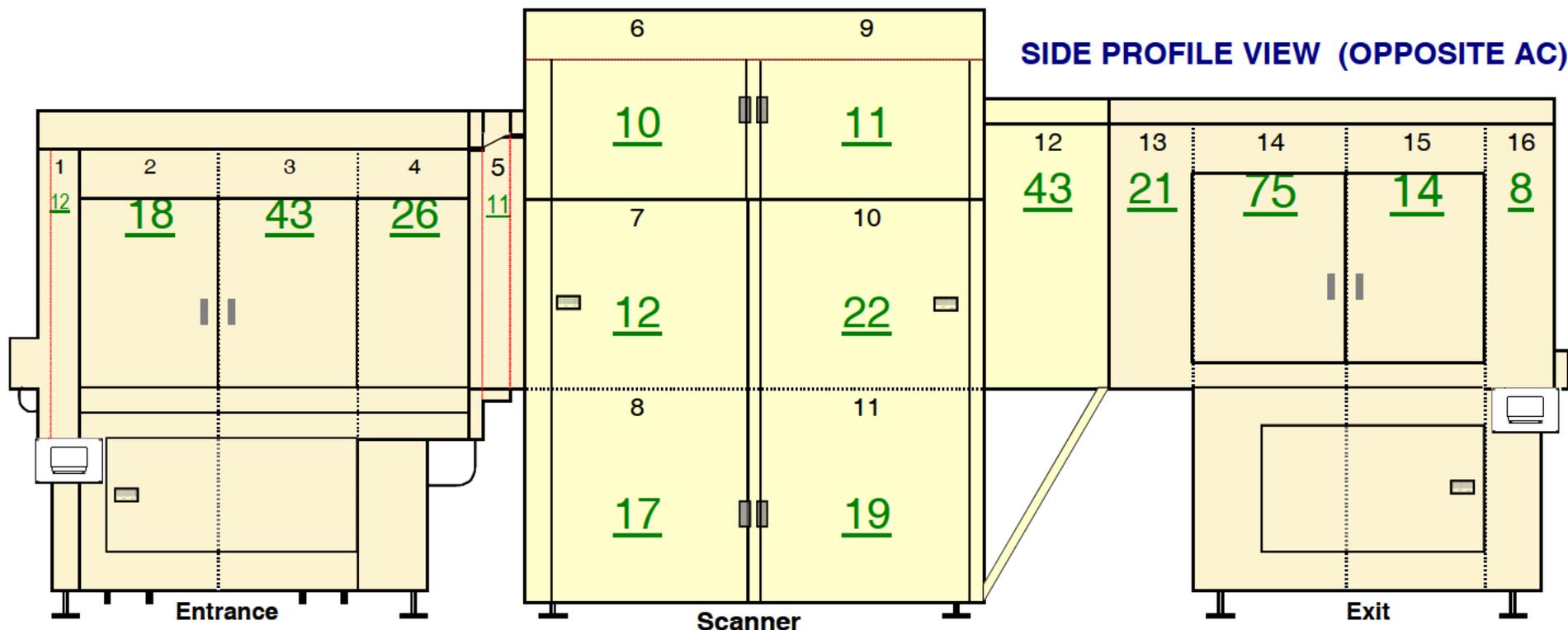


GOOD

Top View			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		μR/Hr	
1	Exit Conveyor Top Panel	74	
2	Exit Conveyor Top Panel	79	
3	Exit Conveyor Top Panel	54	
4	Scanner Conveyor Top Panel	23	
5	Scanner Conveyor Top Panel	19	
6	Scanner Conveyor Top Panel	13	
7	Entrance Conveyor Top Panel	56	
8	Entrance Conveyor Top Panel	64	
9	Entrance Conveyor Top Panel	52	

Highest Reading	79
Average Reading	48
Lowest Reading	13

RADIATION SURVEY WORKSHEET

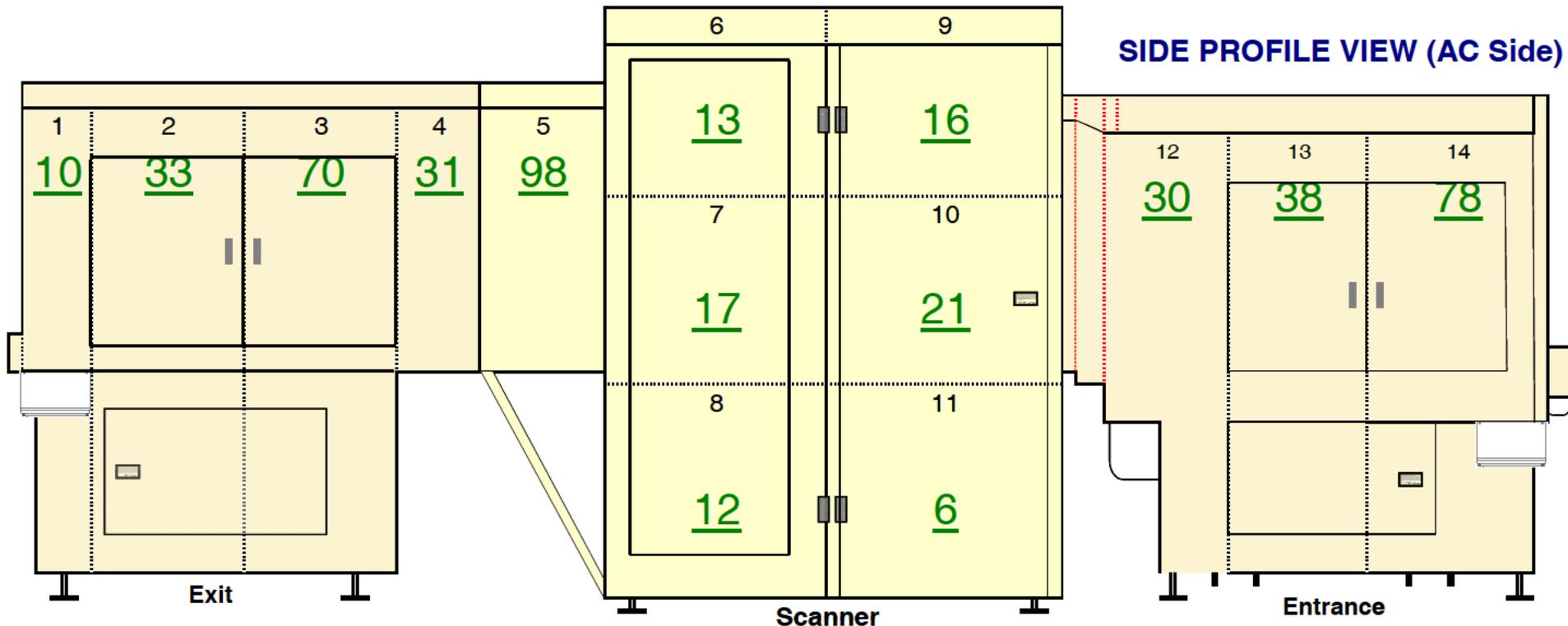


SYSTEM - SIDE PROFILE VIEW (Opposite AC Side)		
Scattered Radiation Measurement Points Worksheet		
	Record highest reading per panel	μR/Hr
1	Entrance Conveyor Panel	12
2	Entrance Conveyor Panel	18
3	Entrance Conveyor Panel	43
4	Entrance Conveyor Panel	26
5	Entrance Conveyor / Scanner Panel	11
6	Upper Scanner Panel	10
7	Middle Scanner Panel	12
8	Lower Scanner Panel	17
9	Upper Scanner Panel	11
10	Middle Scanner Panel	22
11	Lower Scanner Panel	19
12	Exit Conveyor / Scanner Panel	43
13	Exit Conveyor Panel	21
14	Exit Conveyor Panel	75
15	Exit Conveyor Panel	14
16	Exit Conveyor Panel	8

GOOD

Highest Reading	75
Average Reading	23
Low Reading	8

RADIATION SURVEY WORKSHEET



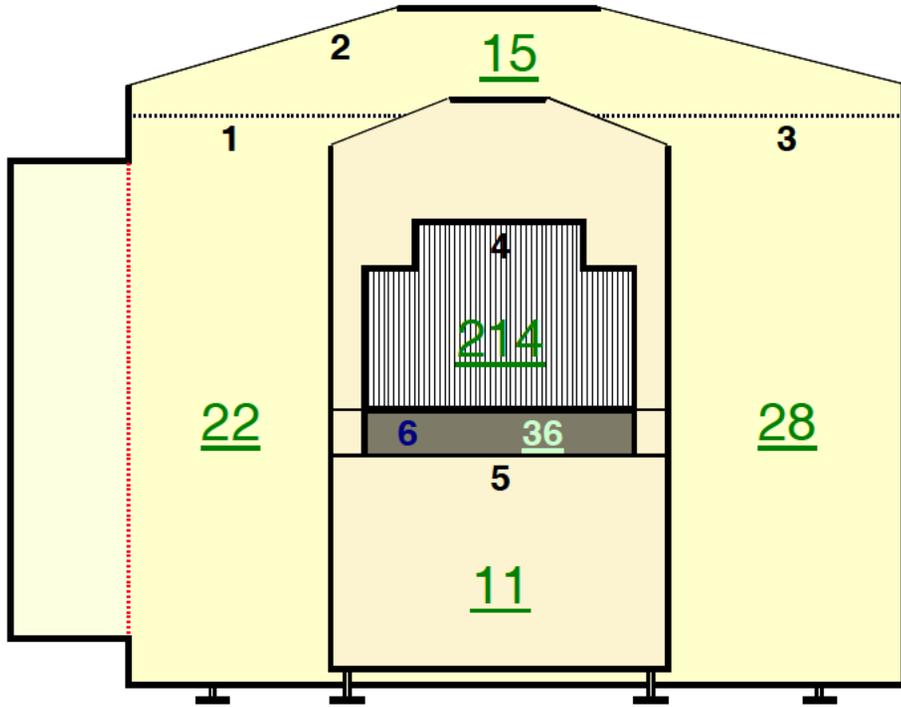
SYSTEM - SIDE PROFILE VIEW (AC Side)			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		μR/Hr	
1	Exit Conveyor Panel	10	
2	Exit Conveyor Panel	33	
3	Exit Conveyor Panel	70	
4	Exit Conveyor Panel	31	
5	Exit Conveyor / Scanner Panel	98	
6	Upper Scanner Pane	13	
7	Middle Scanner Panel	17	
8	Lower Scanner Panel	12	
9	Upper Scanner Panel	16	
10	Middle Scanner Panel	21	
11	Lower Scanner Panel	6	
12	Entrance Conveyor / Scanner Panel	30	
13	Entrance Conveyor Panel	38	
14	Entrance Conveyor Panel	78	

GOOD

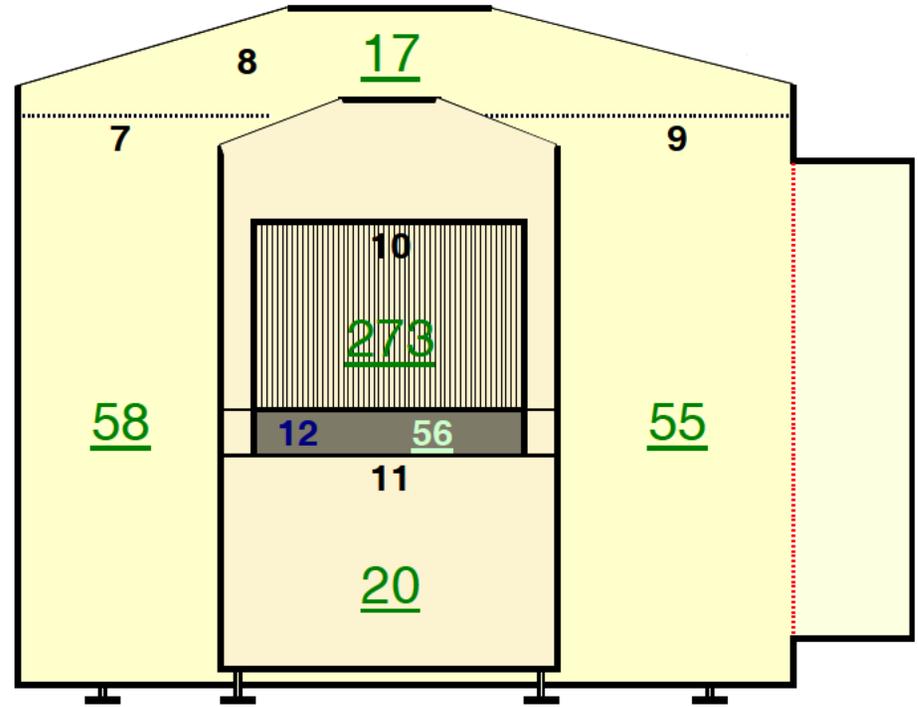
Highest Reading	98
Average Reading	34
Low Reading	6

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	22	
2	Scanner Top Panel	15	
3	Scanner Panel	28	
4	Belt Entrance	214	
5	Entrance Lower Panel	11	
6	Belt Lower Fascia Cover Entrance	36	
7	Scanner Panel	58	
8	Scanner Top Panel	17	
9	Scanner Panel	55	
10	Belt Exit	273	
11	Exit Lower Panel	20	
12	Belt Lower Fascia Cover Exit	56	

GOOD

Highest Reading	273
Average Reading	67
Low Reading	11