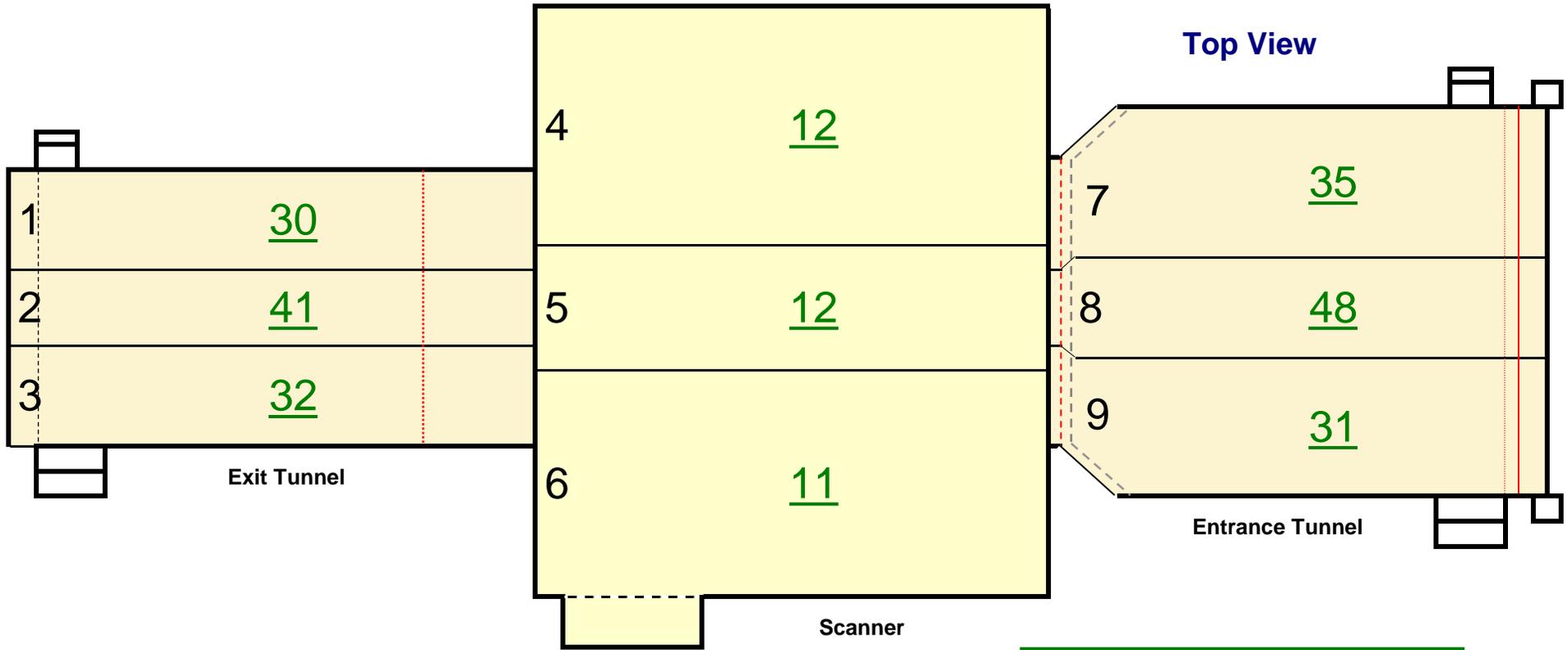


RADIATION SURVEY WORKSHEET

eXaminer Radiation Survey Information

Airport: Los Angeles International Airport		Scanner Location: Baggage Handling Room		Case#: LAX-C358732		
Personnel Performing Radiation Survey: XXXXXXXXXX			Date Survey Performed: 3/18/2011			
Scanner Serial Number: 6104		Entrance Tunnel Serial Number: 2031A		Exit Tunnel Serial Number: 2031B		
High Reading: 44	Average Reading: 15.68	Min. Reading: 5	High Reading: 198	Average Reading: 45.81	Min. Reading: 11	
Good		Good		Good		
Radiation Meter:	Type Meter: 451P-YGG	Meter Serial Number: 241	Calibration Due Date: February 28, 2012			
Complete Radiation Survey (CRS)			Record Voltage and Beam Current here:			
Rename this Document before starting the Survey to: LAX-CRS-18MAR2011-6104			Voltage: 165 KV		Beam Current: 10.0 mA	
			Maximum Safe Readings	Scanner	350	Tunnels
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

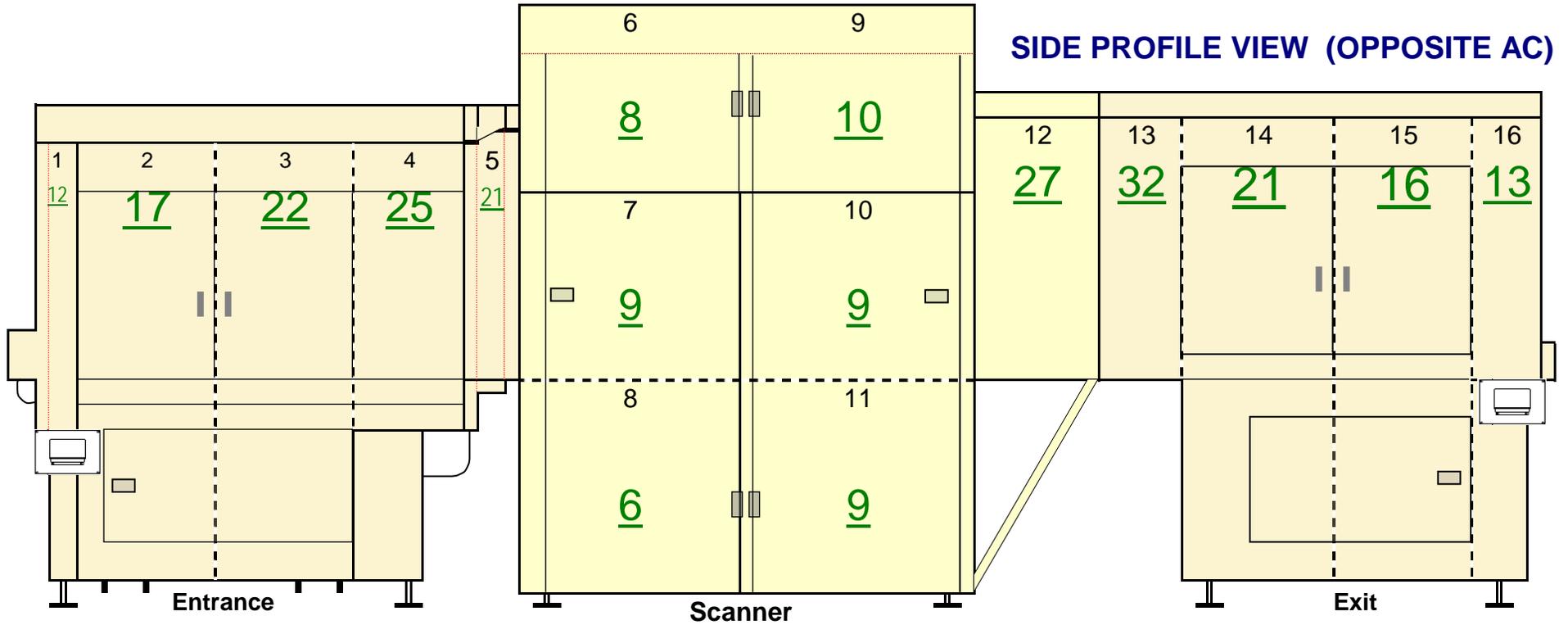


Top View			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		μR/Hr	
1	Exit Conveyor Top Panel	30	
2	Exit Conveyor Top Panel	41	
3	Exit Conveyor Top Panel	32	
4	Scanner Conveyor Top Panel	12	
5	Scanner Conveyor Top Panel	12	
6	Scanner Conveyor Top Panel	11	
7	Entrance Conveyor Top Panel	35	
8	Entrance Conveyor Top Panel	48	
9	Entrance Conveyor Top Panel	31	

GOOD

Highest Reading	48
Average Reading	28
Lowest Reading	11

RADIATION SURVEY WORKSHEET

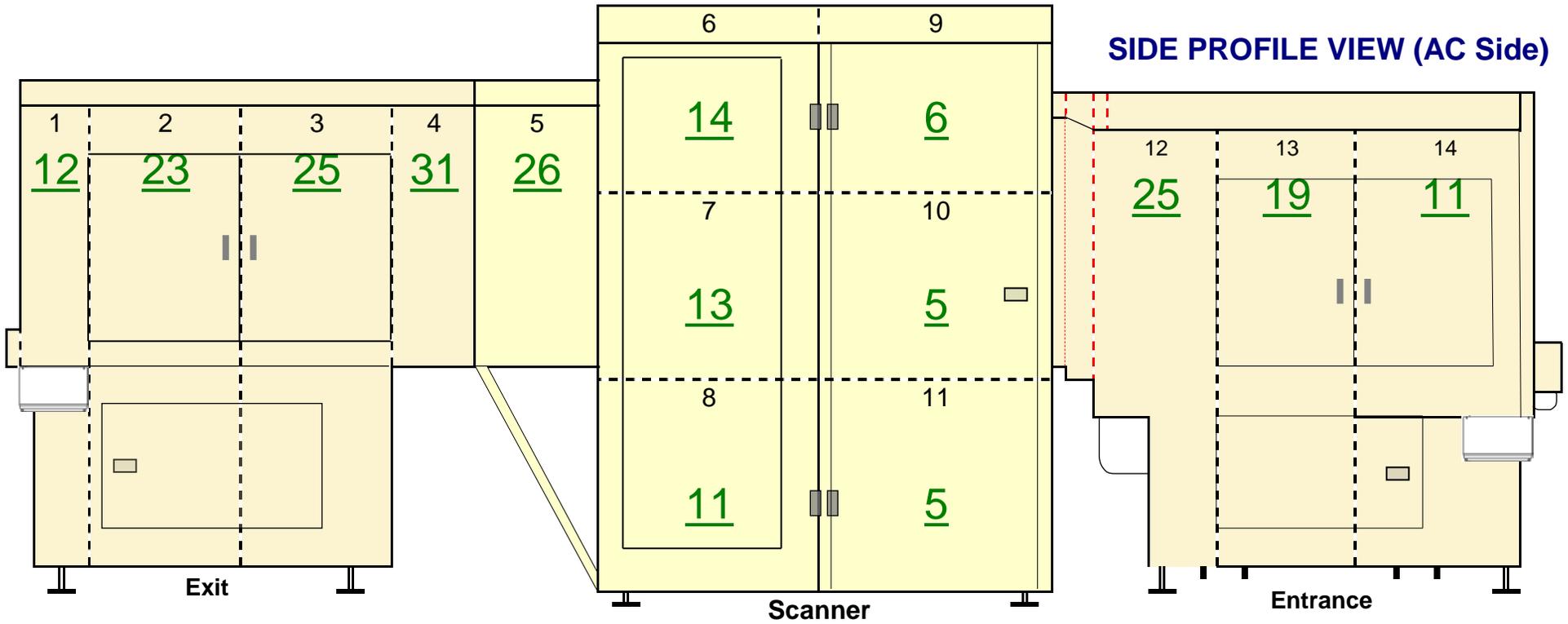


SYSTEM - SIDE PROFILE VIEW (Opposite AC Side)		
Scattered Radiation Measurement Points Worksheet		
	Record highest reading per panel	μR/Hr
1	Entrance Conveyor Panel	12
2	Entrance Conveyor Panel	17
3	Entrance Conveyor Panel	22
4	Entrance Conveyor Panel	25
5	Entrance Conveyor / Scanner Panel	21
6	Upper Scanner Panel	8
7	Middle Scanner Panel	9
8	Lower Scanner Panel	6
9	Upper Scanner Panel	10
10	Middle Scanner Panel	9
11	Lower Scanner Panel	9
12	Exit Conveyor / Scanner Panel	27
13	Exit Conveyor Panel	32
14	Exit Conveyor Panel	21
15	Exit Conveyor Panel	16
16	Exit Conveyor Panel	13

GOOD

Highest Reading	32
Average Reading	16
Low Reading	6

RADIATION SURVEY WORKSHEET



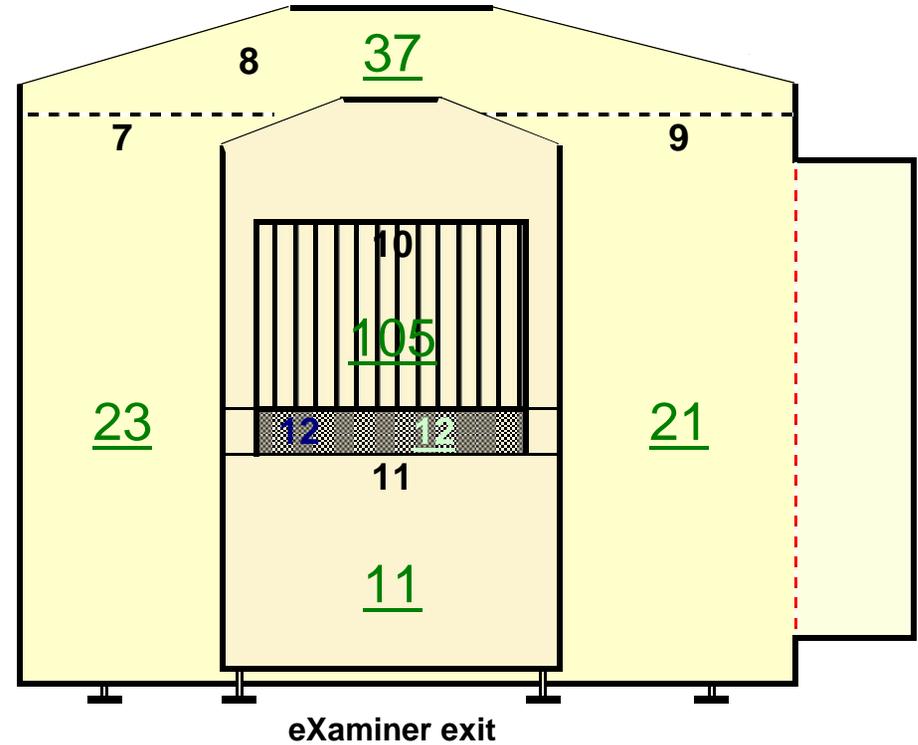
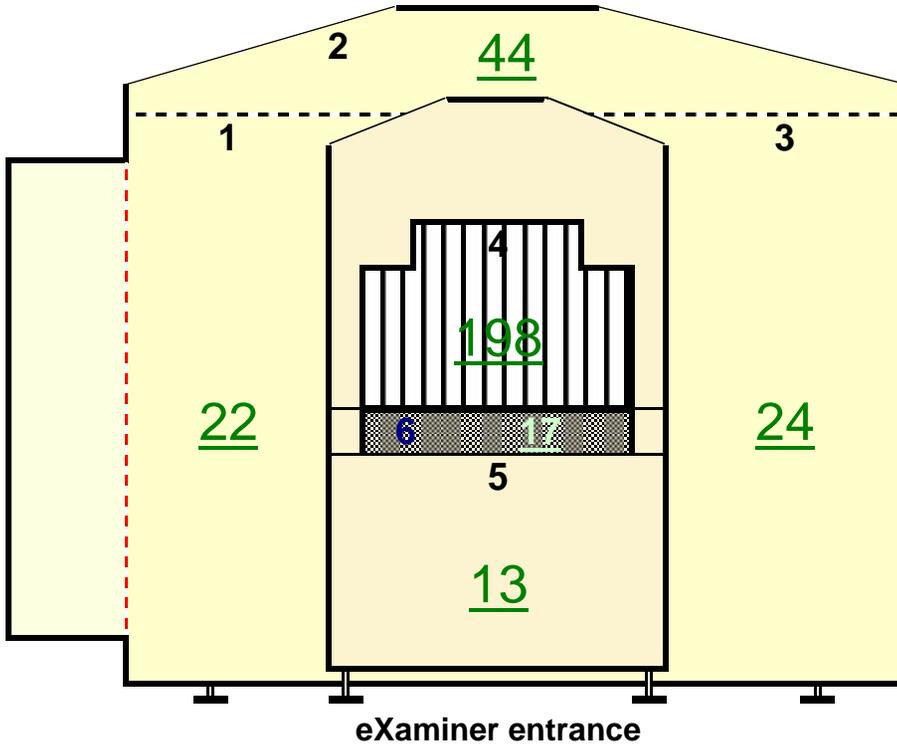
SYSTEM - SIDE PROFILE VIEW (AC Side)			
Scattered Radiation Measurement Points Worksheet			No PROBLEM
Record highest reading per panel		µR/Hr	
1	Exit Conveyor Panel	12	
2	Exit Conveyor Panel	23	
3	Exit Conveyor Panel	25	
4	Exit Conveyor Panel	31	
5	Exit Conveyor / Scanner Panel	26	
6	Upper Scanner Pane	14	
7	Middle Scanner Panel	13	
8	Lower Scanner Panel	11	
9	Upper Scanner Panel	6	
10	Middle Scanner Panel	5	
11	Lower Scanner Panel	5	
12	Entrance Conveyor / Scanner Panel	25	
13	Entrance Conveyor Panel	19	
14	Entrance Conveyor Panel	11	

GOOD

Highest Reading	31
Average Reading	16
Low Reading	5

RADIATION SURVEY WORKSHEET

SYSTEM - FACES (End Views)



SYSTEM - FACES (End Views)			
Scattered Radiation Measurement Points Worksheet			
Record highest reading per panel		$\mu\text{R}/\text{Hr}$	No PROBLEM
1	Scanner Panel	22	
2	Scanner Top Panel	44	
3	Scanner Panel	24	
4	Belt Entrance	198	
5	Entrance Lower Panel	13	
6	Belt Lower Facia Cover Entrance	17	
7	Scanner Panel	23	
8	Scanner Top Panel	37	
9	Scanner Panel	21	
10	Belt Exit	105	
11	Exit Lower Panel	11	
12	Belt Lower Facia Cover Exit	12	

GOOD

Highest Reading	198
Average Reading	44
Low Reading	11