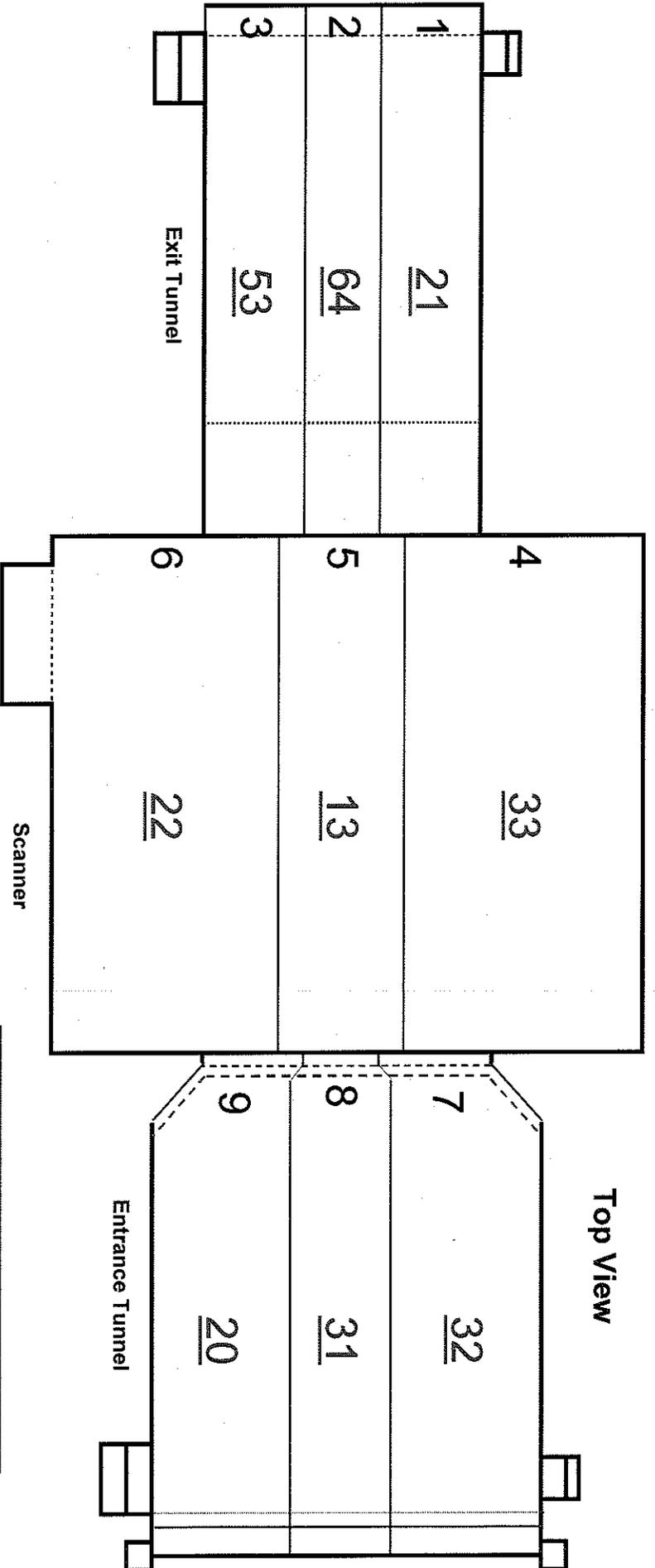


RADIATION SURVEY WORKSHEET

eXaminer Radiation Survey Information

Airport:	T.F Green Airport		Scanner Location:	Baggage Handling Room		Case#:	PVD-C322866			
Personnel Performing Radiation Survey:				Scanner Serial Number:		Entrance Tunnel Serial Number:		Exit Tunnel Serial Number:		
High Reading: 37				Average Reading: 18.32		High Reading: 82		Average Reading: 23.57		
Min. Reading: 4				Min. Reading: 4		Min. Reading: 6		Min. Reading: 4		
Good				Good		Good		Good		
Radiation Meter:			Type Meter:	451P	Meter Serial Number:	6230	Calibration Due Date:	December 22, 2010		
Complete Radiation Survey (CRS)										
Rename this Document before starting the Survey to:					Record Voltage and Bean Current here:					
PVD-CRS-23SEP2010-6756					Voltage:		165	KV	Beam Current:	10.0 mA
					Maximum Safe Readings		Scanner	350	Tunnels	350
							Scanner	350	Curtains	350
					Expected results					
Step:	Procedure									
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 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 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

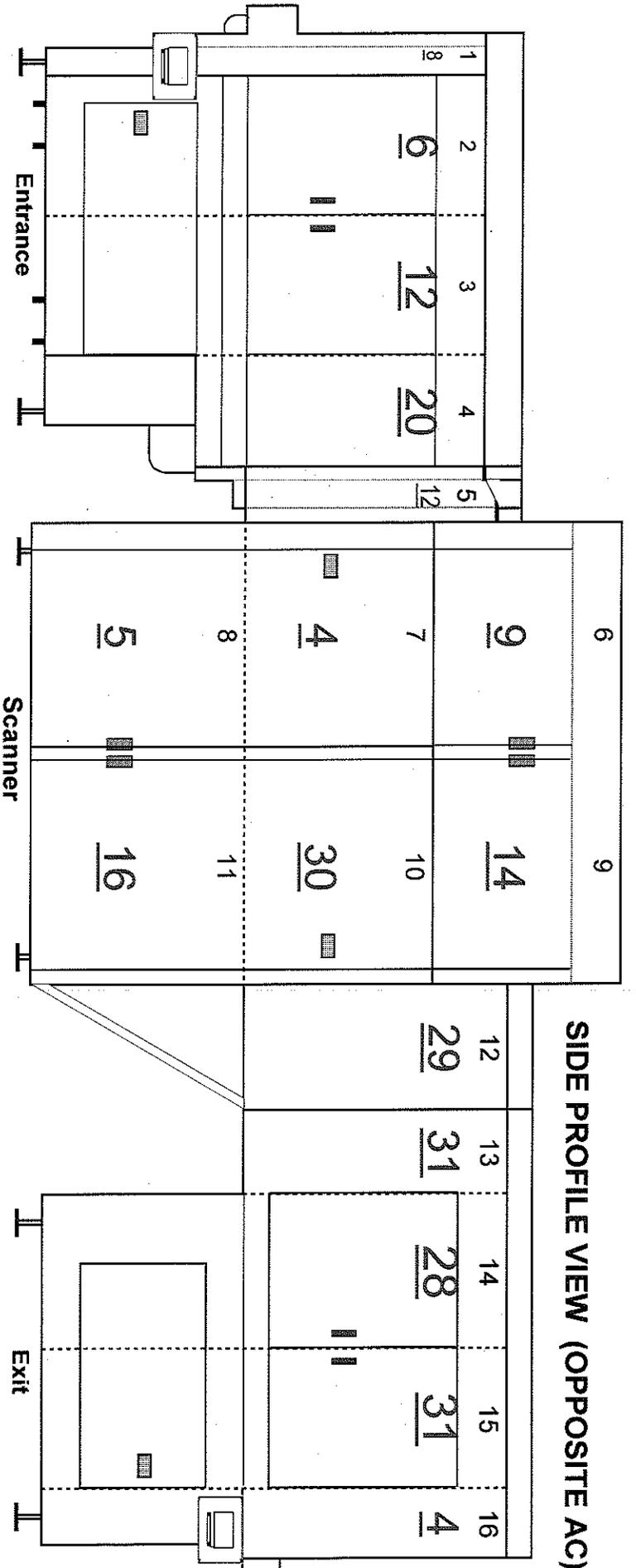


Top View		
Scattered Radiation Measurement Points Worksheet		
Record highest reading per panel	µR/Hr	No PROBLEM
1 Exit Conveyor Top Panel	21	
2 Exit Conveyor Top Panel	64	
3 Exit Conveyor Top Panel	53	
4 Scanner Conveyor Top Panel	33	
5 Scanner Conveyor Top Panel	13	
6 Scanner Conveyor Top Panel	22	
7 Entrance Conveyor Top Panel	32	
8 Entrance Conveyor Top Panel	31	
9 Entrance Conveyor Top Panel	20	

GOOD

Highest Reading	64
Average Reading	32
Lowest Reading	13

RADIATION SURVEY WORKSHEET



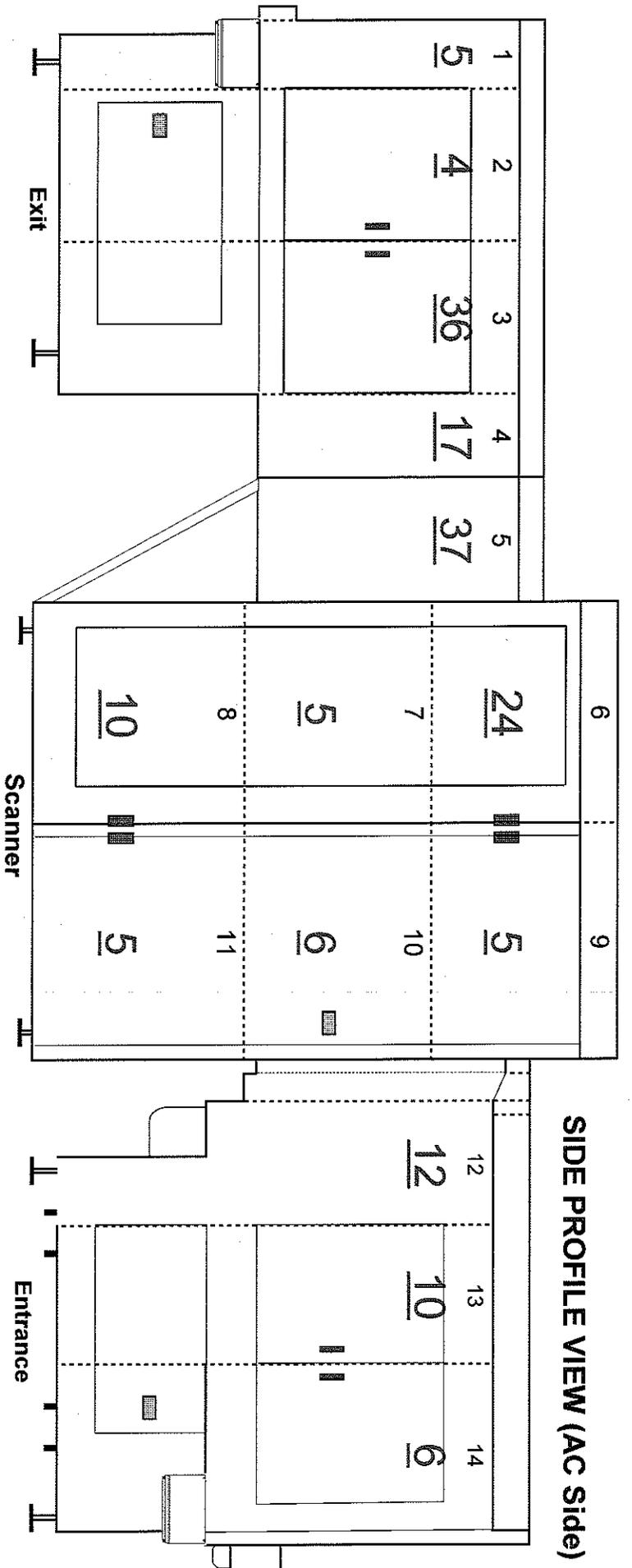
SIDE PROFILE VIEW (OPPOSITE AC)

SYSTEM - SIDE PROFILE VIEW (Opposite AC Side)		
Scattered Radiation Measurement Points Worksheet		
Record highest reading per panel	µR/Hr	No PROBLEM
1 Entrance Conveyor Panel	8	
2 Entrance Conveyor Panel	6	
3 Entrance Conveyor Panel	12	
4 Entrance Conveyor Panel	20	
5 Entrance Conveyor / Scanner Panel	12	
6 Upper Scanner Panel	9	
7 Middle Scanner Panel	4	
8 Lower Scanner Panel	5	
9 Upper Scanner Panel	14	
10 Middle Scanner Panel	30	
11 Lower Scanner Panel	16	
12 Exit Conveyor / Scanner Panel	29	
13 Exit Conveyor Panel	31	
14 Exit Conveyor Panel	28 -	
15 Exit Conveyor Panel	31	
16 Exit Conveyor Panel	4	

GOOD

Highest Reading	31
Average Reading	16
Low Reading	4

RADIATION SURVEY WORKSHEET



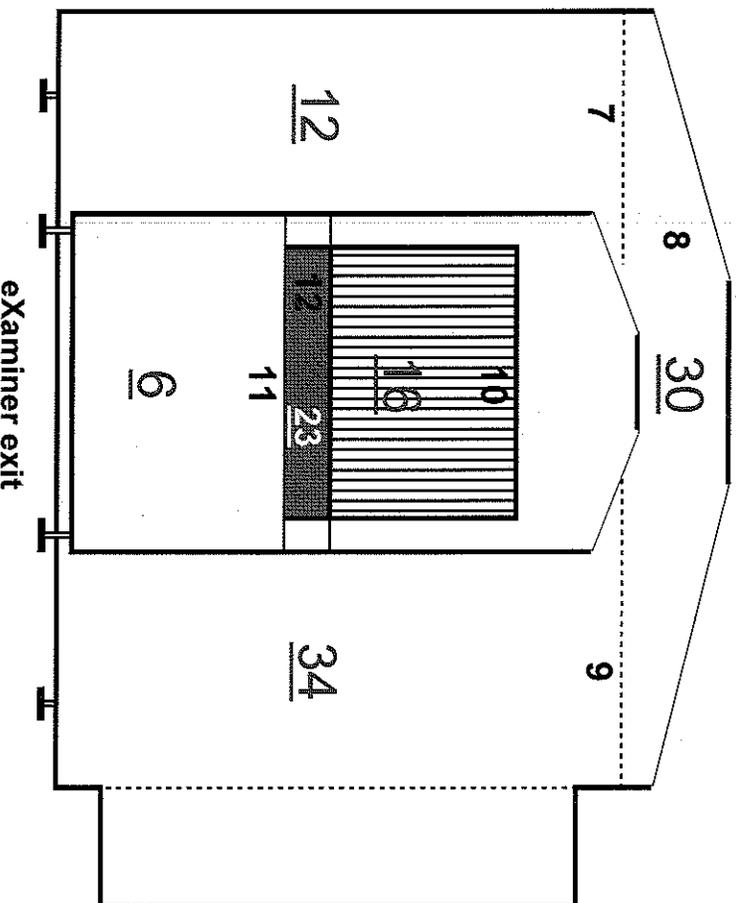
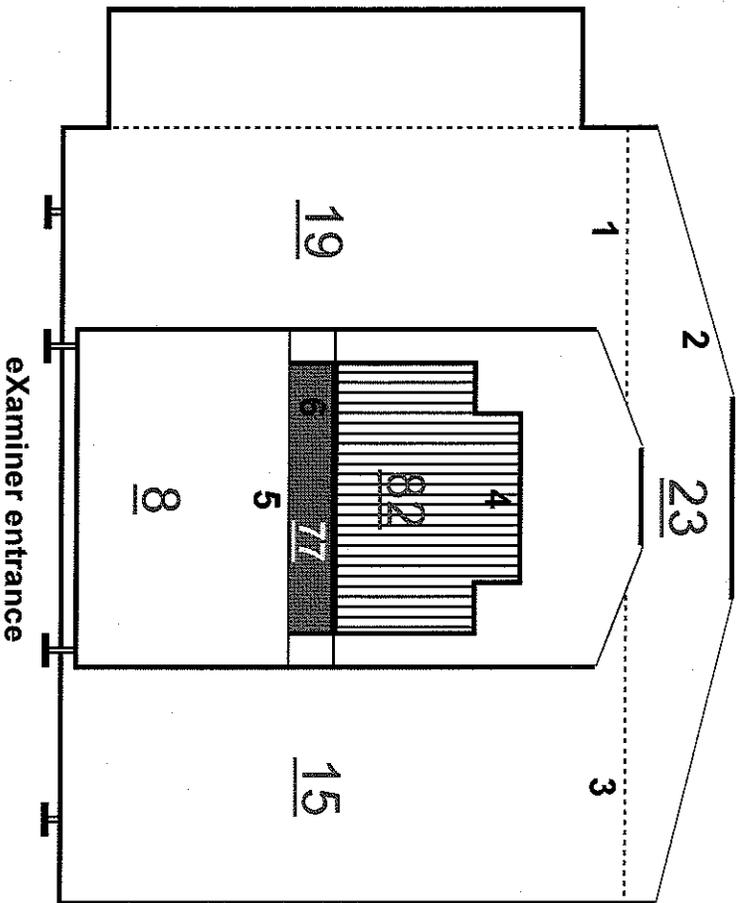
SYSTEM - SIDE PROFILE VIEW (AC Side)			Scattered Radiation Measurement Points Worksheet	
Record highest reading per panel			μR/Hr	No PROBLEM
1	Exit Conveyor Panel		5	
2	Exit Conveyor Panel		4	
3	Exit Conveyor Panel		36	
4	Exit Conveyor Panel		17	
5	Exit Conveyor / Scanner Panel		37	
6	Upper Scanner Pane		24	
7	Middle Scanner Panel		5	
8	Lower Scanner Panel		10	
9	Upper Scanner Panel		5	
10	Middle Scanner Panel		6	
11	Lower Scanner Panel		5	
12	Entrance Conveyor / Scanner Panel		12	
13	Entrance Conveyor Panel		10	
14	Entrance Conveyor Panel		6	

GOOD

Highest Reading	37
Average Reading	13
Low Reading	4

RADIATION SURVEY WORKSHEET

SYSTEM - FACES (End Views)



SYSTEM - FACES (End Views)			No PROBLEM
Scattered Radiation Measurement Points Worksheet		µR/Hr	
Record highest reading per panel			
1	Scanner Panel	19	
2	Scanner Top Panel	23	
3	Scanner Panel	15	
4	Belt Entrance	82	
5	Entrance Lower Panel	8	
6	Belt Lower Facia Cover Entrance	77	
7	Scanner Panel	12	
8	Scanner Top Panel	30	
9	Scanner Panel	34	
10	Belt Exit	16	
11	Exit Lower Panel	6	
12	Belt Lower Facia Cover Exit	23	

GOOD

Highest Reading	82
Average Reading	29
Low Reading	6