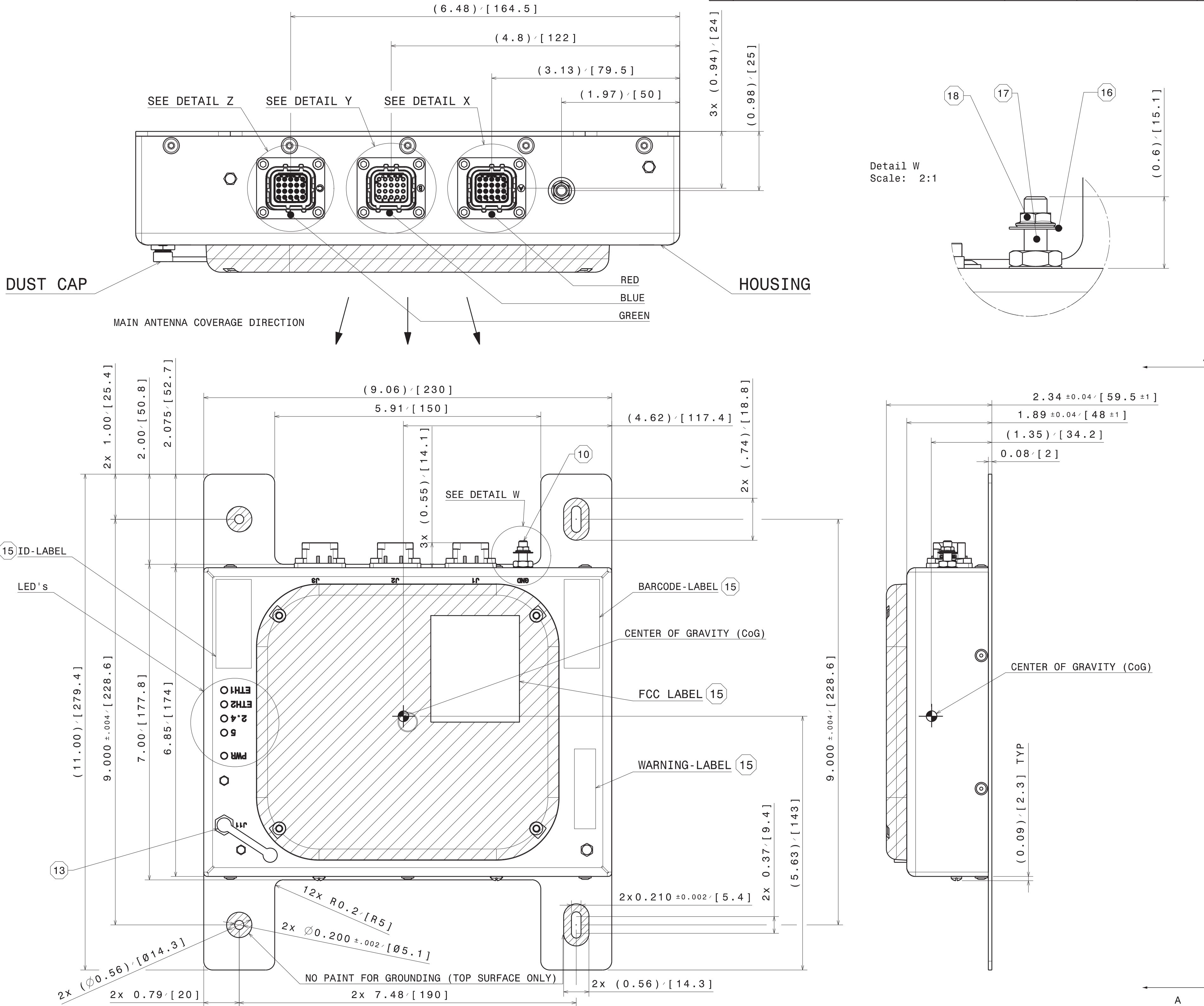


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Notes: Unless otherwise specified

- TOLERANCES:**
xx ±.02" [0.5mm]
- MEASUREMENTS IN PARENTHESIS ARE FOR REFERENCE ONLY**
- CASE SIZE: FORM FACTOR AND MOUNTING PER ARINC 836-1-7**
- WEIGHT:** NOMINAL 4.2 lbs [1.90 kg]
NOT TO EXCEED 4.4 lbs [2.00 kg]
-  INDICATES CENTER OF GRAVITY
- MATERIAL & FINISH:**
MATERIAL (HOUSING): ALUMINUM AlMg3
ALL SURFACES (EXCLUDING ANTENNA RADOME) CHROMATED WITH SURTEC 650
OUTER FINISH: POWDER COATING INTERPON 810 (BLACK)
OR ALESTA IP IE03054913222 (BLACK)
MATERIAL (ANTENNA RADOME): Lexan 940 (LIGHT GREY, RAL7035)
- CONNECTORS: SEE CONNECTOR TABLES**
- ELECTRICAL CHARACTERISTICS:**
POWER CONSUMPTION: 21.4 VA MAX AT 115 VAC; 360-800 Hz
CURRENT DRAW: 175 mA MAX RMS AT 115 VAC
POWER FACTOR: 0.9 MIN.
NOTE: IN A DAISY-CHAIN CONFIGURATION THE POWER CONSUMPTION INCREASED BY 20 WATTS PER DAISY-CHAINED DEVICE.
- COOLING CHARACTERISTICS:**
OPERATIONAL POWER DISSIPATION: 20 W MAX AT 115 VAC
IDLE POWER DISSIPATION: 7.5 W MAX AT 115 VAC
COOLING INSTALLATION REQUIREMENTS: STANDALONE, PASSIVELY COOLED PER ARINC 628, PART 7, TYPE3C
INTERNAL FAN FLOW RATE AND DIRECTION: N/A
FILTRATION REQUIREMENTS: N/A
- GROUNDING OR BONDING (OPTIONAL PER OEM INSTALLATION):**
GROUNDING: GROUNDING TO MOUNTING HOLES SHALL BE PER METHODS SPECIFIED IN ADVISORY CIRCULAR AC43.13-1B, SECTION 15 OR EQUIVALENT
BONDING: THE IMPEDANCE PATH FROM THE LRU CHASSIS TO CONNECTOR PIN DOES NOT EXCEED 5 MILLI-OHMS AND CHASSIS TO THE GROUND STUD SHALL NOT EXCEED 3 MILLI-OHMS MAX.
- INSTALLATION LIMITATION:**
TO AVOID THE POSSIBILITY OF EXCEEDING ACCEPTABLE EXPOSURE LIMITS, HUMAN PROXIMITY TO AN EXTERNAL ANTENNA SHALL NOT BE LESS THAN 8.0" [203mm] DURING NORMAL OPERATION.
UNIT CONTAINS ANTENNA ARRAY BELOW ANTENNA RADOME ON TOP OF UNIT. DO NOT HIDE BEHIND SHIELDING METALLIC STRUCTURES TO AVOID DEGRADATION OF WIFI COVERAGE.
ANTENNA PATTERN IS OMNIDIRECTIONAL DOWNWARDS.
ORIENT ANTENNA RADOME TOWARDS PASSENGER CABIN IF POSSIBLE.
- ACCEPTANCE TEST PROCEDURE: AII-FA2066-01**
- MAINTENANCE CONNECTOR J11 IS COVERED BY DUST CAP.**
- NO SPECIAL ESD PROTECTION REQUIRED DURING HANDLING OR INSTALLATION.**
- LABEL CONTENT IS SPECIFIED ON LHT C-ABT183-PD-001 DOCUMENT**
- PRESSURE WASHER IN ACCORDANCE WITH NAS1149D0316H**
- INCH THREAD SIZE .1900-32 UNJF-3A**
- SELF LOCKING NUT IN ACCORDANCE WITH MS21042L3**
- ENVIRONMENTAL QUALIFICATION CHARACTERISTICS:**
ENVIRONMENTAL TEST IDENTIFICATION:
DO-160F ENV. CAT. A3XB8(BE)S[B3/C]XWXXFX
FOR FURTHER DETAILS SEE QP-FA2066-01ENV (BOEING)
- TECHNICAL DOCUMENT EXPORT CONTROL CLASSIFICATION (ECCN): 9E991**



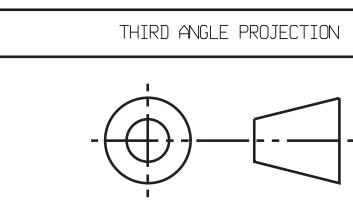
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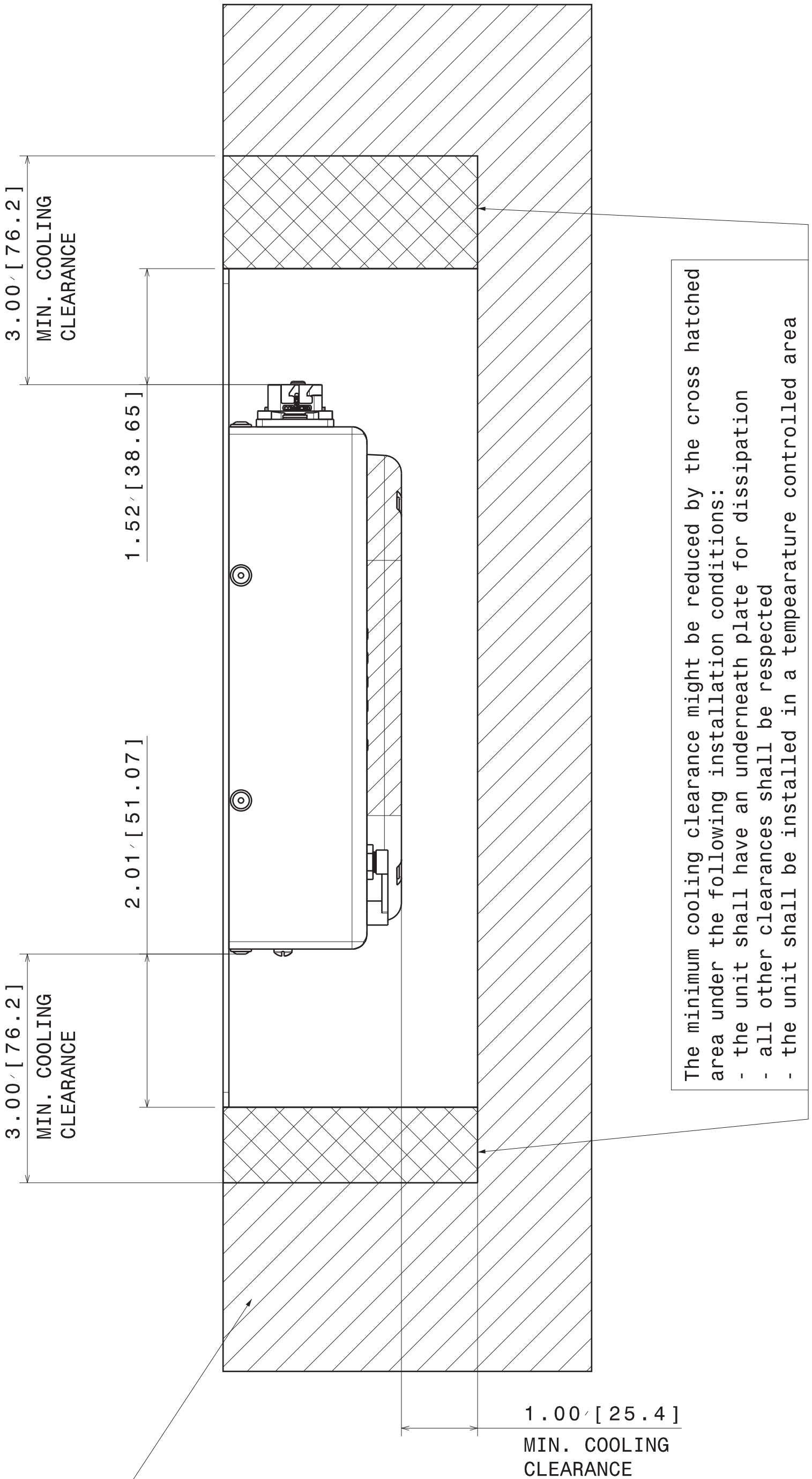
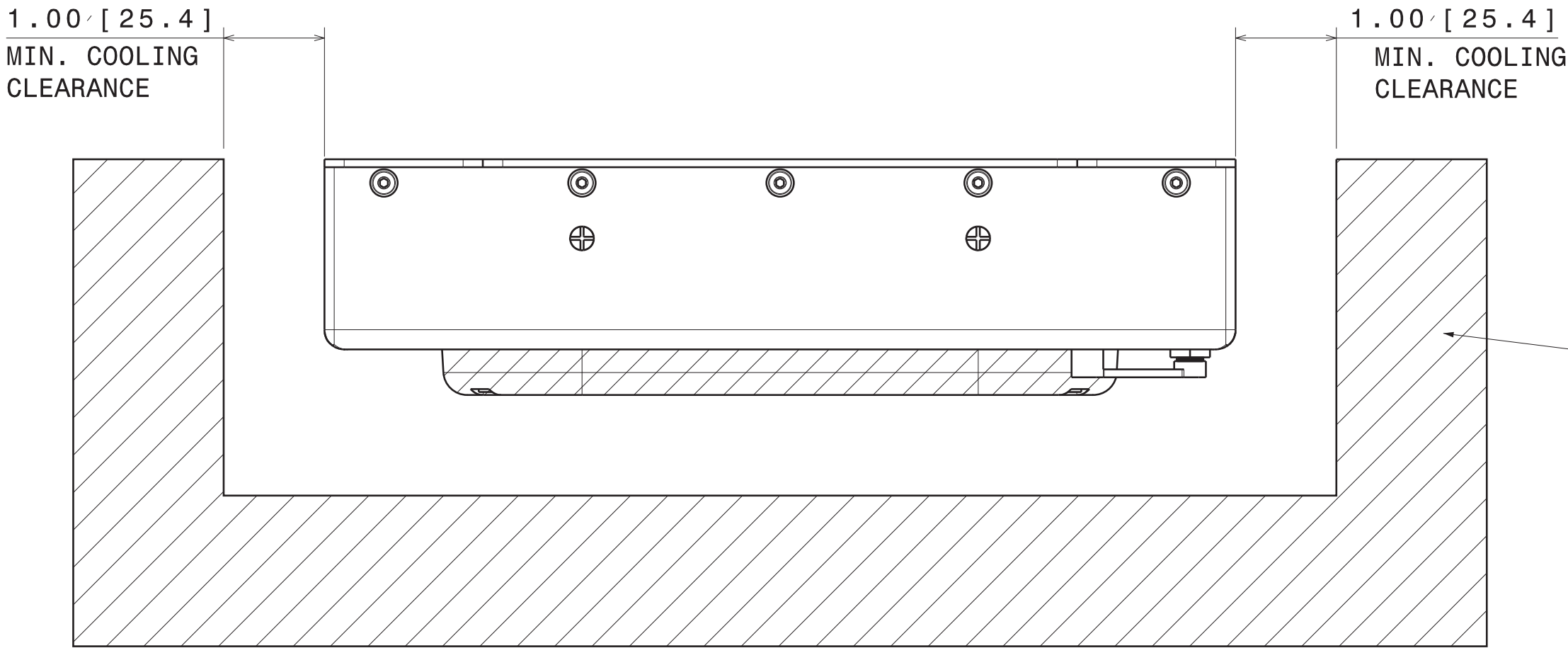
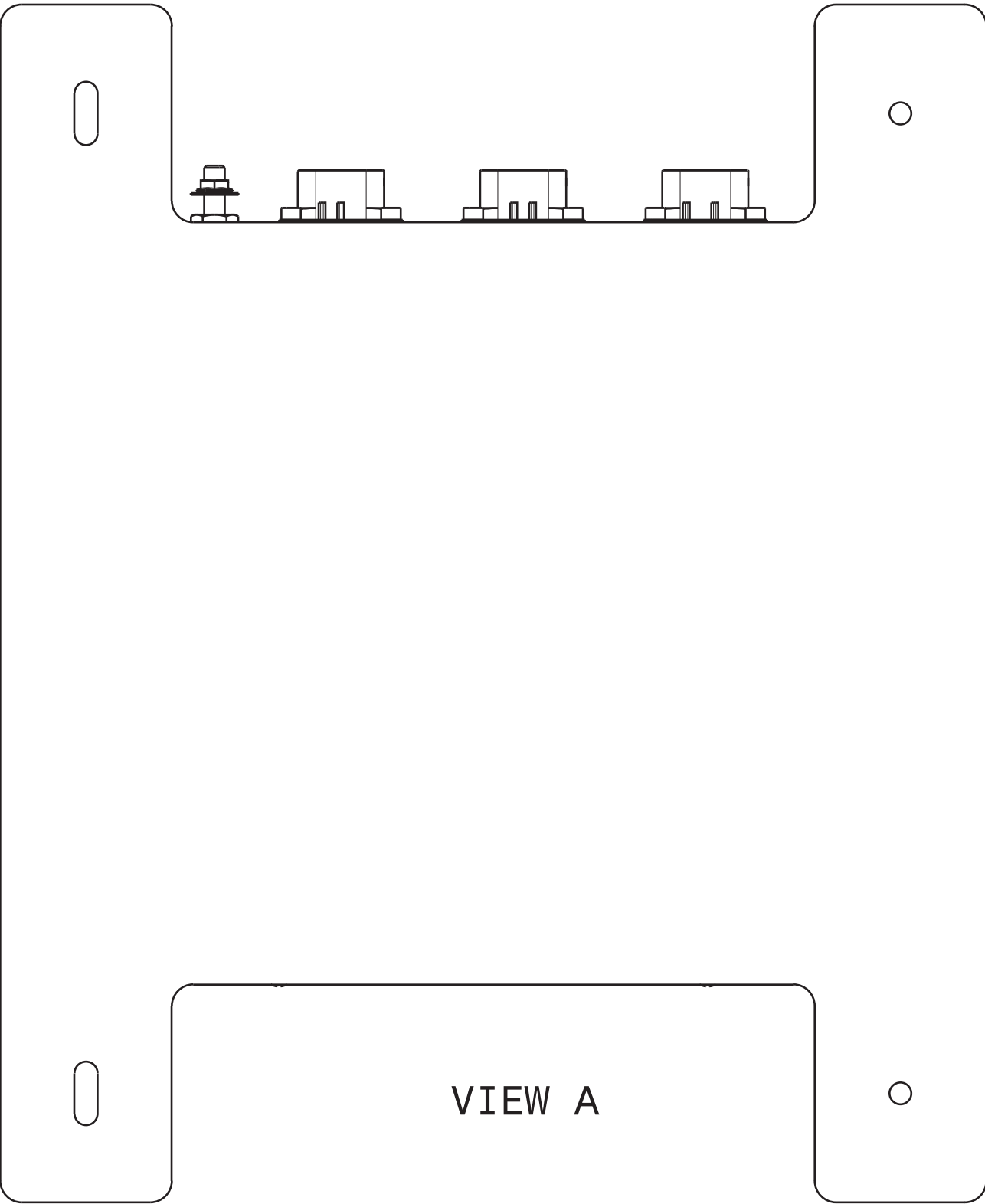
Date 03-02-2015

Initials HHT



1	C1008	RD-FA2066-01	CABIN WIRELESS ACCESS POINT; DUAL RADIO		LHT WAF3212-001-001	1	
QTY REQD	CAGE CODE	PART OR IDENTIFYING NO.	NOMENCLATURE OR DESCRIPTION		MATERIAL SPECIFICATION	ITEM NO.	
PARTS LIST							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES WITH MILLIMETERS IN BRACKETS TOLERANCES ARE: DECIMALS : XX .005 : XXX .0030 ANGLES : 2~ DO NOT SCALE DRAWING		APPROVALS		DATE		Panasonic Avionics Corporation 26200 Enterprise Way, Lake Forest, Ca. 92630 USA	
		DRAWN		O. Buhr			20-FEB-15
		ANALYST		--			--
		CHECKED		JL			John Toriada 2015.02.23 09:05:54 -0800
MATERIAL		ELECTRICAL		CABIN WIRELESS ACCESS POINT; DUAL RADIO			
SEE NOTES		MANUFACTURING		--			
FINISH		APPROVED		D		1UL05	
SEE NOTES		QA		SCALE: -		RD-FA2066-01	
		Andrew Barnes 2015.02.27 17:29:37 -0800		DRAWING NUMBER		REV	
		Jeffrey 2015.02.27 17:29:37 -0800		FILENAME: RD-FA2066-01_APP_OUTLINE.DWG		NEW	
				MODEL NAME: RD-FA2066-01			
				SHEET 1 OF 3			

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NON ELECTRICALLY SHIELDING STRUCTURE

The minimum cooling clearance might be reduced by the cross hatched area under the following installation conditions:
- the unit shall have an underneath plate for dissipation
- all other clearances shall be respected
- the unit shall be installed in a temperature controlled area

Panasonic Avionics Corporation			
26200 Enterprise Way, Lake Forest, Ca. 92630 USA			
TITLE			
CABIN WIRELESS ACCESS POINT; DUAL RADIO			
SIZE	CAGE CODE	DRAWING NUMBER	REV
D	1UL05	RD-FA2066-01	NEW
SCALE: -	FILESPEC: RD-FA2066-01_APP_OUTLINE.DWG MODEL NAME: RD-FA2066-01		SHEET 2 OF 3

