

DRAWING APPROVAL SHEET

DRAWING NUMBER: MMRO-C-0131-MD-0809

DRAWING TITLE: PAX SEATS INSTL A320

ISSUE	DATE	COMPILED BY	CHECKED BY	STRESSED BY	CVE/APPROVED
1	15/05/2019	Dmitrij Nazarenko	Gytis Leonavicius	Vincent Dussardier	Ferdinand Batenburg
2	02/08/2019	Dmitrij Nazarenko	Gytis Leonavicius	Vincent Dussardier	Ferdinand Batenburg
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The drawing referenced in this document has been reviewed in accordance with Magnetic MRO DO design process and found to be compliant with the applicable requirements.

MMRO/DF/016 ISSUE 1

REVISION HISTORY	ISSUE	DATE
Initial issue	1	14 MAY 2019
Corrected sheet reference in note 8	2	31 JUL 2019

GENERAL NOTES:

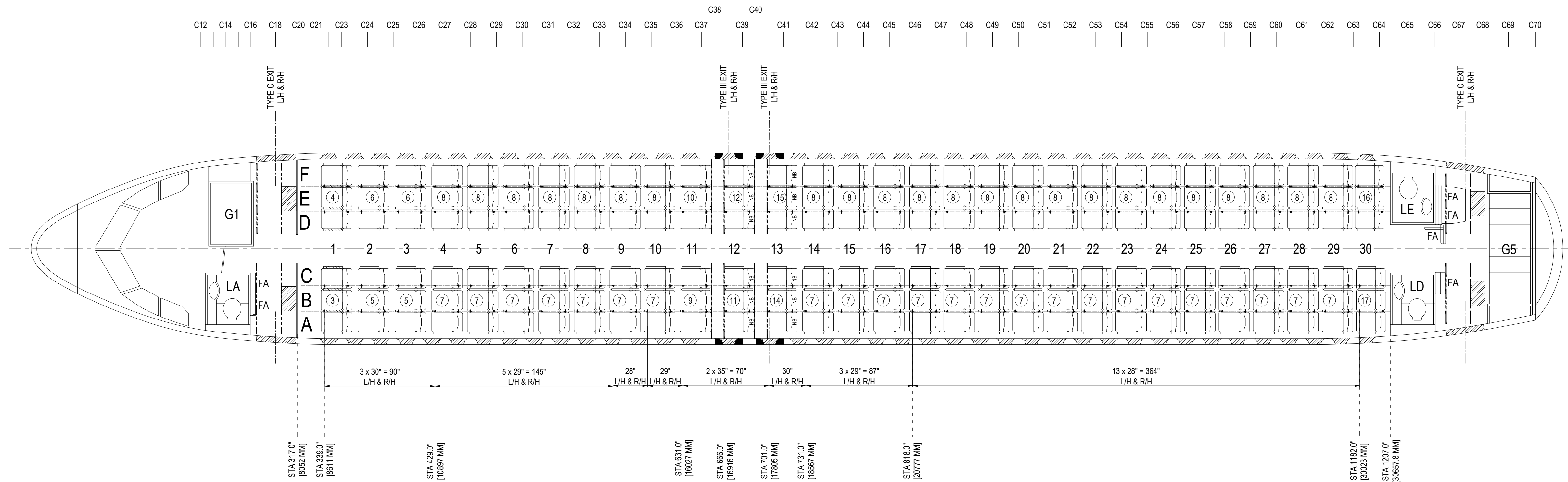
1. DIMENSIONS OF SEAT STATIONS ARE TAKEN FROM CENTERLINE FRONT OF FOOT STUD.
2. ENSURE HEAD-STRIKE OF PASSENGERS IN FRONT ROW IS PREVENTED: THE POINT AT WHICH THE SEAT BACK MEETS THE SEAT CUSHION EXCEEDS A MINIMUM OF 35 INCHES FROM THE MONUMENT IN FRONT. THIS DISTANCE ALSO TAKES INTO ACCOUNT HIGH MOUNTED LITERATURE POCKETS AND OTHER FITMENTS ON THE MONUMENT
3. ENSURE THE CENTER AISLE EXCEEDS THE MINIMUM REQUIREMENTS OF 15 INCHES WIDE UP TO A HEIGHT OF 25 INCHES FROM THE FLOOR AND 20 INCHES WIDE ABOVE 25 INCHES FROM THE FLOOR. THIS INCLUDES ANY RUB STRIPS.
4. ENSURE ALL EMERGENCY EXITS ARE ACCESSIBLE I.A.W. JAR/CS 25.813 AS FOLLOWS:
 - 4.1. THE PATHWAY TO ALL TYPE C EXITS IS MINIMUM 20" WIDE UNOBSTRUCTED ACCESS LEADING TO EXIT(S) WITH ASSIST SPACE OF 12" X 20" ON ONE SIDE OF THE PATHWAY.
 - 4.2. THE PATHWAY TO ALL TYPE III EXITS IS MINIMUM OF 10" WIDE UNOBSTRUCTED ACCESS LEADING TO EXIT(S).
5. ENSURE A SERVICEABLE (E)TSO-C13D CERTIFIED PASSENGER LIFE VEST IS INSTALLED IN EACH PASSENGER LIFE VEST STOWAGE.
6. ALL PASSENGER SEAT LAP BELTS MUST BE (E)TSO-C22G CERTIFIED.
7. ALL SEATS HAVE NO RECLINE. ADDITIONALLY SEATS HAVE FOLLOWING OR MUST BE LIMITED THROUGH RECARO CMM 25-26-73 AS FOLLOWS:
 - 7.1. SEAT ROW 11 -
 - 7.1.1. ONE WAY TABLE LATCH;
 - 7.2. SEAT ROW 12 -
 - 7.2.1. NO OUTBD ARMREST;
 - 7.2.2. ONE WAY TABLE LATCH;
 - 7.2.3. NO BREAKOVER CAPABILITY;
 - 7.3. SET ROW 13 -
 - 7.3.1. NO OUTBD ARMREST;
 - 7.3.2. NO BREAKOVER CAPABILITY;
8. PASSENGER SERVICE CHANNEL IS NOT AFFECTED BY THIS CHANGE AND REMAINS AS PER LATEST PART 21J APPROVED PSIU LAYOUT DRAWING NO.: 4338-01-A-3132-F11 BY AEROCONSEIL. PSIU CHANNEL ON SHEET 3 IS SHOWN FOR REFERENCE ONLY.
9. IF NOT ALREADY EXISTING, INSTALL EMERGENCY EXIT INSTRUCTIONAL PLACARDS ON SEAT BACKS AT ROWS 11 AND 12 IN ACCORDANCE WITH AMM TASK 11-00-00-400-021-A.

SEATS GLOSSARY	
R/H	RIGHT HAND
L/H	LEFT HAND
TPL	TRIPLE
IAT	IN ARMREST TABLE
STD	STANDARD
NRW	NARROW
TBL	BACKREST TABLE
OTB	OUTBOARD
LTD	LIMITED
RCL	RECLINE
BRKVR	BREAKOVER

QTY	ITEM NO	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER / REMARKS
6	19	D2527719922900	PLACARD - OVERWING EXIT RH	-	AIRBUS / SEE NOTE 9
6	18	D2527719922800	PLACARD - OVERWING EXIT LH	-	AIRBUS / SEE NOTE 9
1	17	3510H989-31-051	SEAT ASSY - L/H STD TPL, NRW	-	RECARO
1	16	3510H989-32-051	SEAT ASSY - R/H STD TPL, NRW	-	RECARO
1	15	3510H989-32-042	SEAT ASSY - R/H STD TPL, AFT EXIT, NO OTB ARM	-	RECARO / BRKVR LOCKED
1	14	3510H989-31-042	SEAT ASSY - L/H STD TPL, AFT EXIT, NO OTB ARM	-	RECARO / BRKVR LOCKED
1	12	3510H989-32-032	SEAT ASSY - R/H STD TPL, EXIT, NO OTB ARM	-	RECARO / BRKVR LOCKED
1	11	3510H989-31-032	SEAT ASSY - L/H STD TPL, EXIT, NO OTB ARM	-	RECARO / BRKVR LOCKED
1	10	3510H989-32-021	SEAT ASSY - R/H STD TPL, FWD EXIT, NO OTB ARM	-	RECARO
1	9	3510H989-31-021	SEAT ASSY - L/H STD TPL, FWD EXIT, NO OTB ARM	-	RECARO
23	8	3510H989-32-011	SEAT ASSY - R/H STD TPL	-	RECARO
23	7	3510H989-31-011	SEAT ASSY - L/H STD TPL	-	RECARO
2	6	3510H989-32-082	SEAT ASSY - R/H STD TPL	-	RECARO
2	5	3510H989-31-082	SEAT ASSY - L/H STD TPL	-	RECARO
1	4	3510H989-32-212	SEAT ASSY - R/H F/R TPL, IAT	-	RECARO
1	3	3510H989-31-212	SEAT ASSY - L/H F/R TPL, IAT	-	RECARO
-	2	-	-	-	-
-	1	MMRO-C-0131-MD-0809-01	INSTALLATION - PASSENGER SEATS A320	-	-

PROJECTION		ALL DIMENSIONS IN IN UNLESS OTHERWISE STATED	Size: A3	Scale: NTS	Material: N/A	Upper Assembly: TOP ASSEMBLY
TOLERANCES- UNLESS STATED:	ISO 2678 MK	Drawn: D. NAZARENKO	Checked by: G. LEONAVICIUS	Stressed by: V. DUSSARDIER	CVE/Approved by: F. BATENBURG	
		Date: 31 JUL 2019	Date: 31 JUL 2019	Date: 31 JUL 2019	Date: 31 JUL 2019	
WARNING - COMPUTER PRODUCED DRAWING, NO MANUAL ALTERATION		EASA APPROVAL EASA.21J.028 © MAGNETIC MRO ALL RIGHTS RESERVED.		MAGNETIC MRO OWN THE COPYRIGHT OF THIS DRAWING WHICH IS SUPPLIED IN CONFIDENCE ON THE EXPRESS CONDITION THAT IT IS NOT USED, REPRODUCED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT PERMISSION IN WRITING FROM THE OWNER.		
REMOVE ALL BURRS & SHARP EDGES		Magnetic MRO Vaika-Sojamae 1A, 11415 Tallinn, Estonia Tel: +372 6401 119 Fax: +372 6401 116		Title: PAX SEATS INSTL A320		
DO NOT SCALE				DRG No: MMRO-C-0131-MD-0809	Sheet: 01 of 05	

REVISION HISTORY		ISSUE	DATE
Initial issue		1	14 MAY 2019
Updated seat row numbering		2	31 JUL 2019

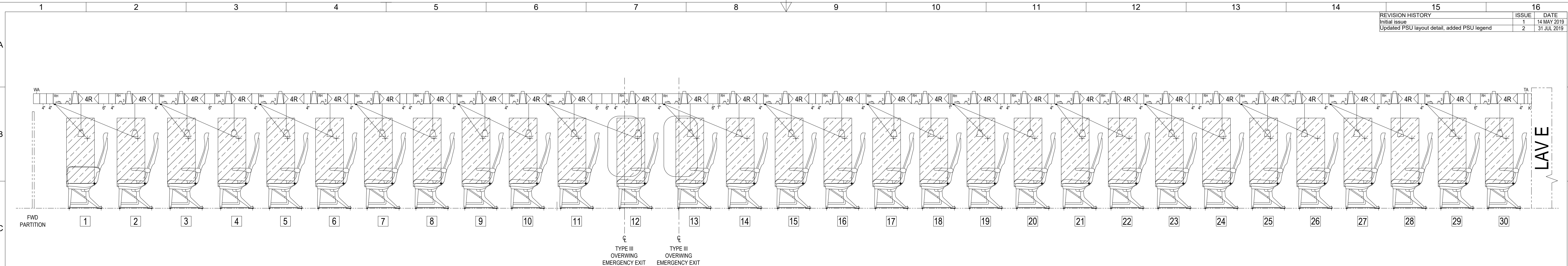


-01 - A320 PASSENGER SEATS INSTALLATION
180 Y/C CONFIGURATION
 4.1 5 6

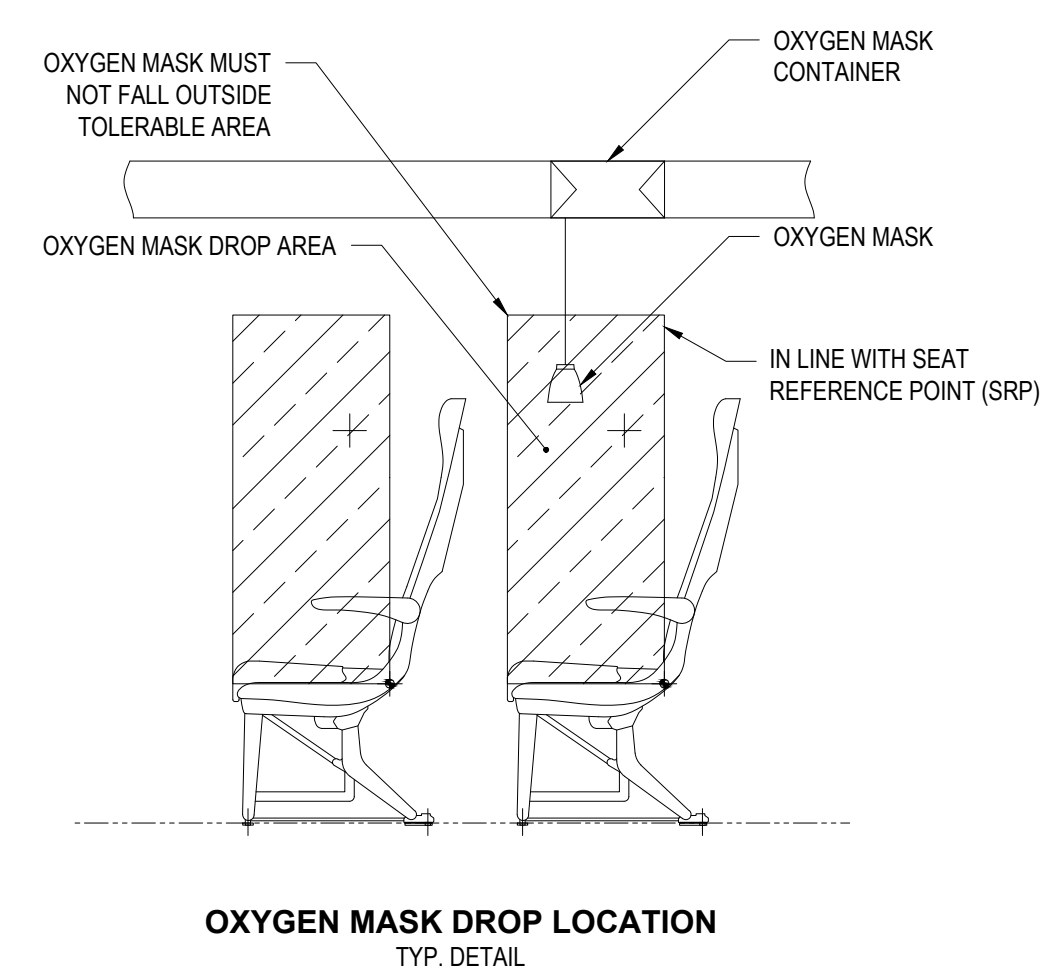
- LEGEND:**
- IN-ARMREST TABLE
 - ATTENDANT SEAT
 - EMERGENCY EGRESS PATH
 - ASSIST SPACE 12" x 20"
 - NO BREAKOVER

PROJECTION:	ALL DIMENSIONS IN IN UNLESS OTHERWISE STATED	Size: 840x297 MM	Scale: NTS	Material: N/A	Upper Assembly: TOP ASSEMBLY
TOLERANCES: UNLESS STATED:	Drawn: D. NAZARENKO	Checked by: G. LEONAVICIUS	Stressed by: V. DUSSARDIER	CVE/Approved by: F. BATENBURG	
ISO 2678 MK	Date: 31 JUL 2019	Date: 31 JUL 2019	Date: 31 JUL 2019	Date: 31 JUL 2019	Date: 31 JUL 2019
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DO NOT SCALE	Title: PAX SEATS INSTL A320		DRG No: MMRO-C-0131-MD-0809		
			Sheet: 02 of 05		

REVISION HISTORY		ISSUE	DATE
Initial issue		1	14 MAY 2019
Updated PSU layout detail, added PSU legend		2	31 JUL 2019



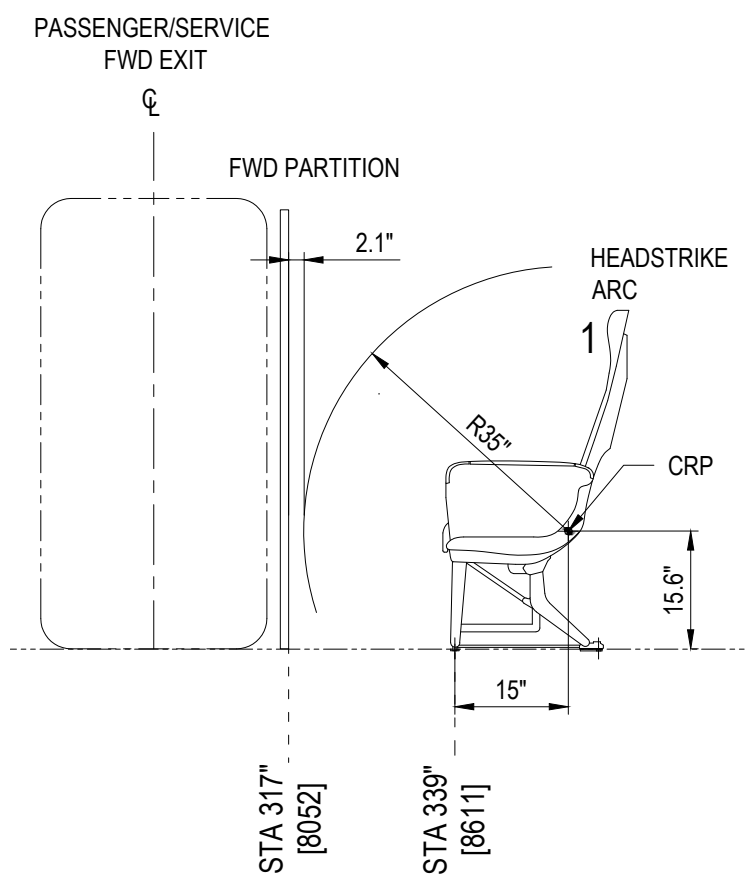
ITEM	DESCRIPTION	SIDE VIEW
1	INFILL PANEL 1"	
2	INFILL PANEL 4"	
3	INFILL PANEL 6"	
4	OXYGEN MASK CONTAINER (4 MASKS)	
5	PSIU COMBI PANEL (3 READING LIGHTS)	
6	PSIU COMBI PANEL (NSFSB SIGN; 3 READING LIGHTS; SPEAKER)	
7	GASPER PANEL (3 NOZZLES)	
8	PARTITION PANEL	
9	ADJUSTMENT PANEL	
10	CLAMPING PANEL	



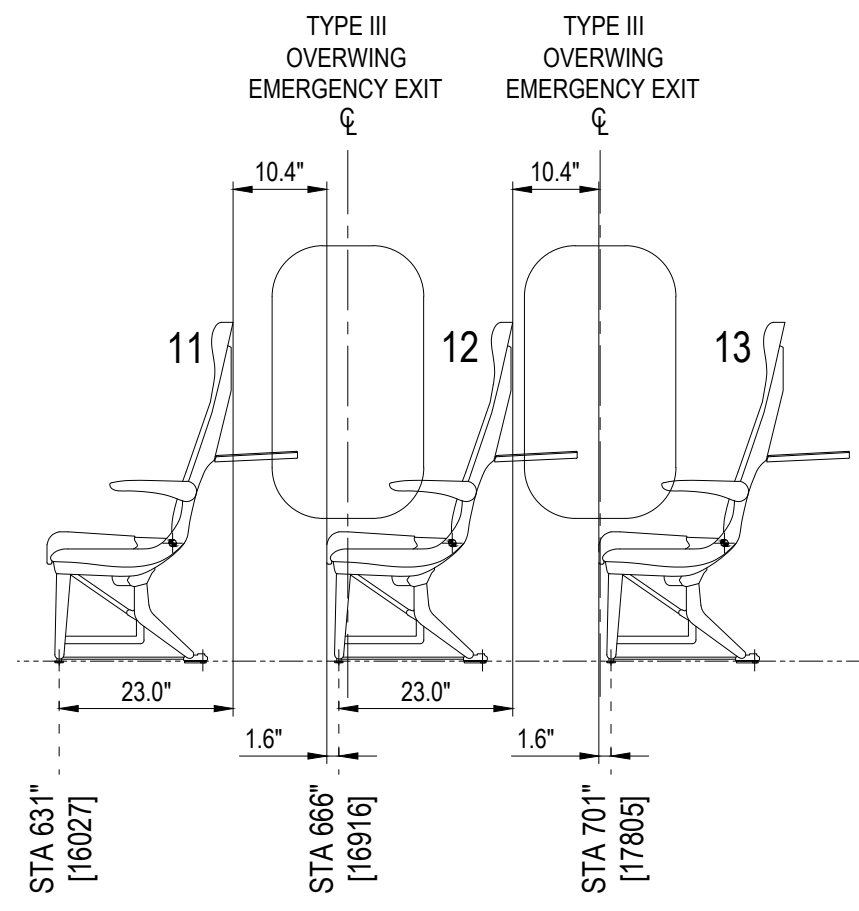
EXISTING PASSENGER SERVICE CHANNEL LAYOUT
 180 Y/C CONFIGURATION
 R/H SHOWN, L/H SIMILAR
 (SHOWN FOR REFERENCE ONLY)

PROJECTION	ALL DIMENSIONS IN IN UNLESS OTHERWISE STATED	Size: 840x297 MM	Scale: NTS	Material: N/A	Upper Assembly: TOP ASSEMBLY
TOLERANCES: UNLESS STATED:	Drawn: D. NAZARENKO	Checked by: G. LEONAVICIUS	Stressed by: V. DUSSARDIER	CVE/Approved by: F. BATENBURG	
ISO 2678 MK	Date: 31 JUL 2019	Date: 31 JUL 2019	Date: 31 JUL 2019	Date: 31 JUL 2019	
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DO NOT SCALE	Title: PAX SEATS INSTL A320		DRG No: MMRO-C-0131-MD-0809		
				Sheet: 03 of 05	

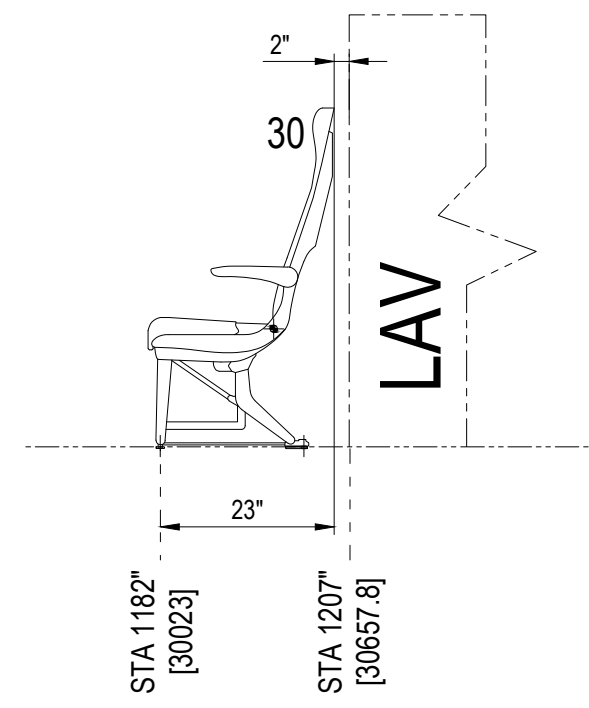
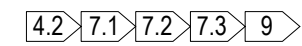
REVISION HISTORY	ISSUE	DATE
Initial issue	1	14 MAY 2019
Seat figures updated	2	31 JUL 2019



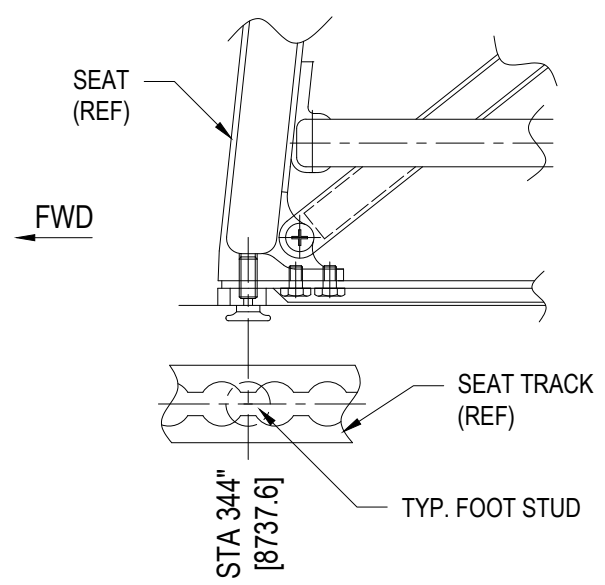
FRONT ROW SEATS
CLEARANCE ENVELOPE
R/H SIDE SHOWN
L/H SIDE OPPOSITE



OVERWING EXIT SEATS
EXIT PATH CLEARANCE ENVELOPE
R/H SIDE SHOWN
L/H SIDE OPPOSITE



LAST ROW SEATS
CLEARANCE ENVELOPE
R/H SIDE SHOWN
L/H SIDE OPPOSITE

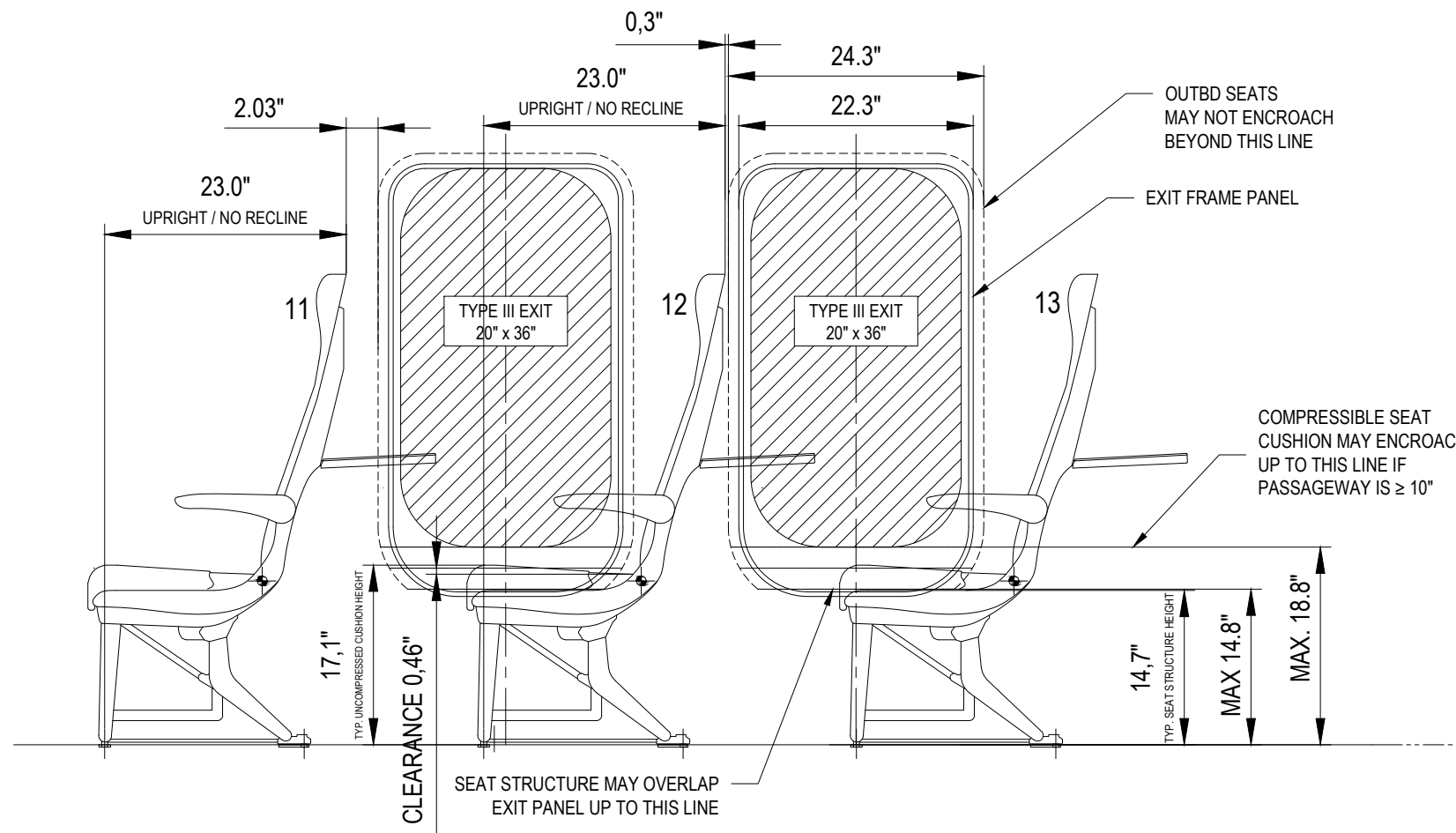


FRONT STUD ATTACHMENT
TYP. DETAIL

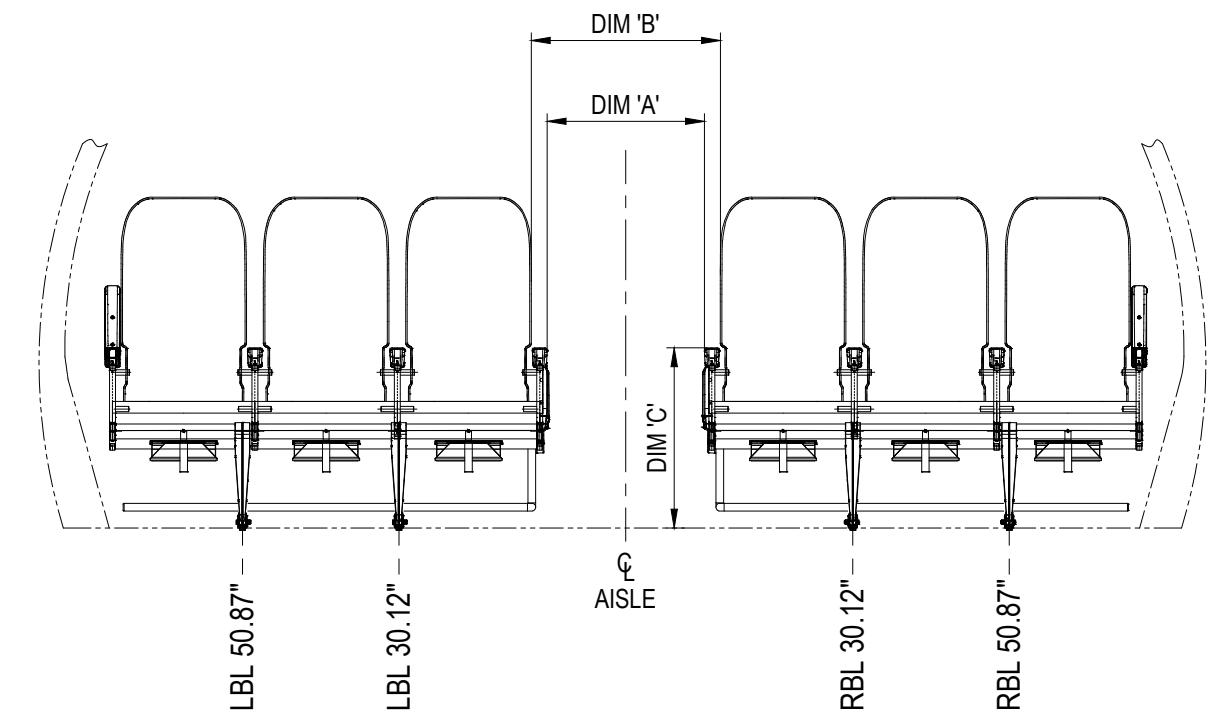


PROJECTION	ALL DIMENSIONS IN IN UNLESS OTHERWISE STATED	Size: A3	Scale: NTS	Material: N/A	Upper Assembly: TOP ASSEMBLY
	TOLERANCES - UNLESS STATED: ISO 2678 MK	Drawn: D. NAZARENKO Date: 31 JUL 2019	Checked by: G. LEONAVICIUS Date: 31 JUL 2019	Stressed by: V. DUSSARDIER Date: 31 JUL 2019	CVE/Approved by: F. BATENBURG Date: 31 JUL 2019
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DO NOT SCALE					

REVISION HISTORY	ISSUE	DATE
Initial issue	1	14 MAY 2019
Updated seat clearance figures	2	31 JUL 2019



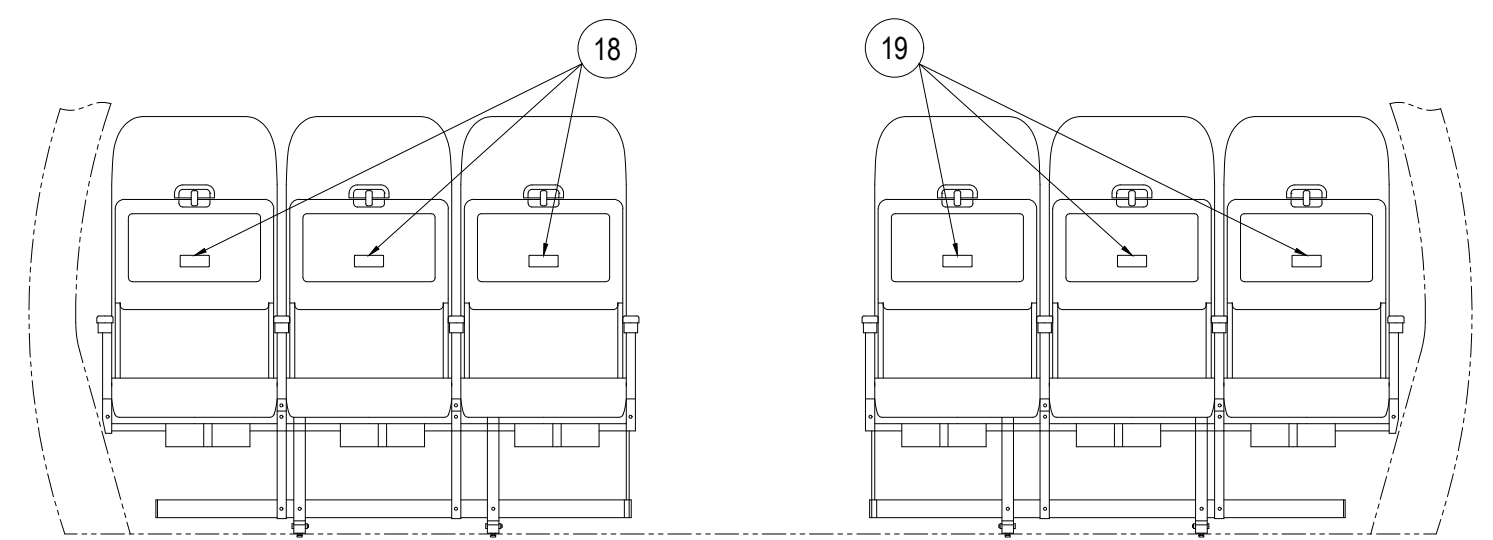
OVERWING EXIT CLEARANCE ENVELOPE
 TYP. TYPE III EXIT
 7.1 7.2 7.3



AISLE WIDTH CLEARANCE ENVELOPE
 TYPICAL, SEE TABLE 1 FOR DIMENSIONS

3

ROW	DIM 'A' (MIN. 15")	DIM 'B' (MIN. 20")	DIM 'C' (MAX. 25")
1	20.44	25.44	24.90
2-29	20.44	25.44	23.90
30	20.44	25.04	23.90



SEAT ROWS 11 AND 12
 TYP. EMERGENCY EXIT INSTRUCTIONAL PLACARD INSTL.
 9

PROJECTION	ALL DIMENSIONS IN IN UNLESS OTHERWISE STATED	Size: A3	Scale: NTS	Material: N/A	Upper Assembly: TOP ASSEMBLY
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			DRG No: MMRO-C-0131-MD-0809	Sheet: 05 of 05	