



HAVELSAN

M CLASS FRIGATE GEMINIS-CMS PROJECT

ALMIRANTE RIVEROS (F18) CIC LAYOUT PLAN (DRAFT) APPENDIX-C

HVL-SILI-MSM-SSR-F18

1.1

March 2026

Contract Number

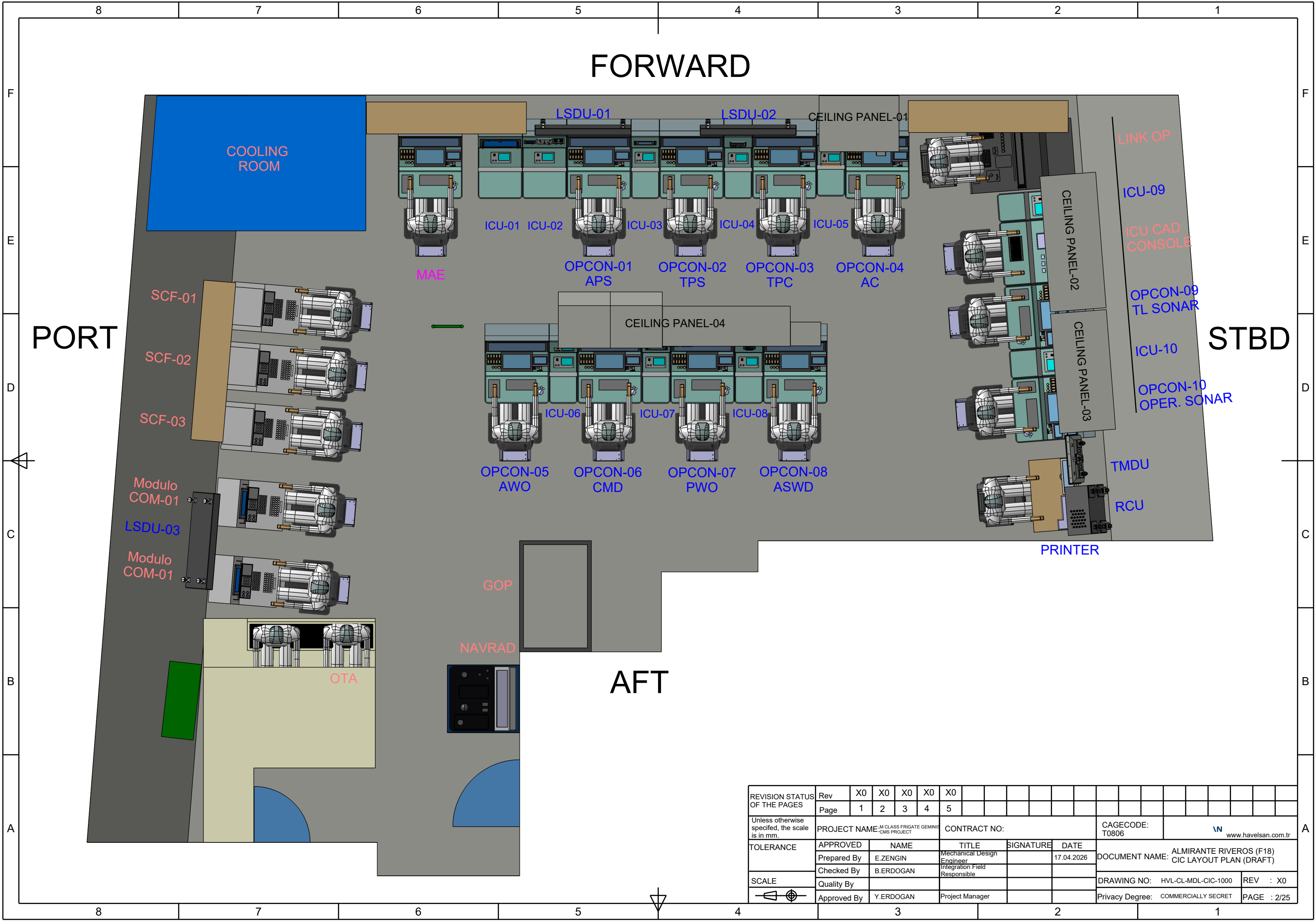
CDRL Number

HAVELSAN A.Ş.
Mustafa Kemal Mah.
Şehit Öğretmen Şenay Aybüke Yalçın Cad. No: 39
06510 Çankaya ANKARA
www.havelsan.com.tr

 HAVELSAN	APPENDIX-B KEEP-MOVE-REMOVE LIST	Document No : HVL-SILI-MSM-KMRL Publish No : 1.1 Publish Date : March 2026
---	---	--

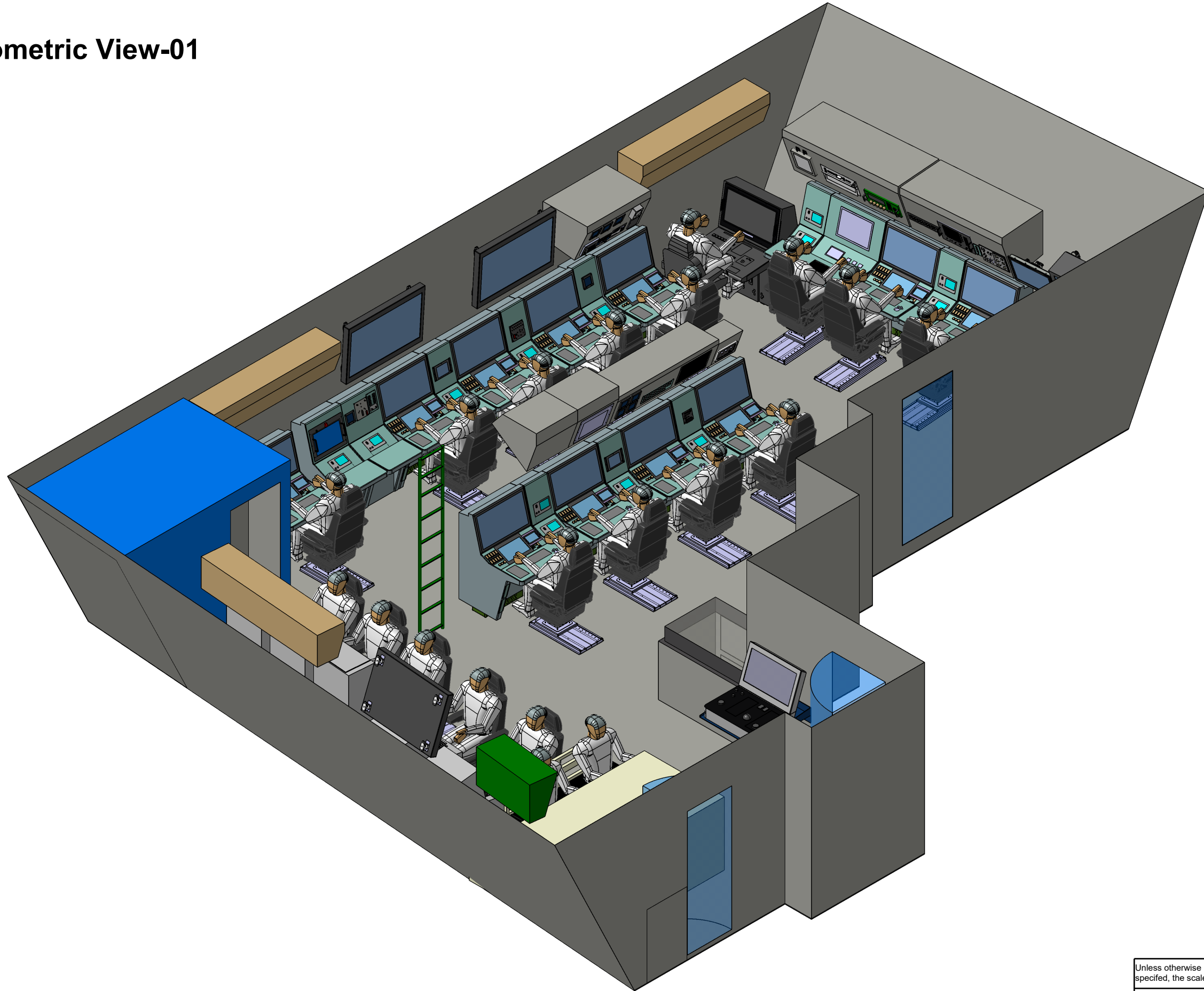
FIGURE LIST

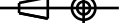
Figure 1 CIC Layout Plan/Roles of Consoles	2
Figure 2 Isometric View-01	3
Figure 3 Isometric View-02	4
Figure 4 Isometric View-03	5
Figure 5 Isometric View-04	6
Figure 6 CIC Layout Plan with Measurements	7
Figure 7 CIC Layout Plan with Equipments	8
Figure 8 CIC Bow Section View	9
Figure 9 CIC Center Section View	9
Figure 10 CIC Stbd Section View	10
Figure 11 CIC Port Section View	10
Figure 12 CIC AFT Section View	10
Figure 13 OPCON's View	11
Figure 14 ICU-55 View	12
Figure 15 ICU-35 View	13
Figure 16 CL ASY-G01 Layout	14
Figure 17 ASY-G01 ICU's Equipments	15
Figure 18 CL ASY-G02 Layout	16
Figure 19 ASY-G02 ICU's Equipments	17
Figure 20 CL ASY-G03 Layout	18
Figure 21 ASY-G03 ICU's Equipments	19
Figure 22 CL ASY-G04 Layout	19
Figure 23 ASY-G03 ICU's Equipments	20
Figure 24 CL ASY-G04 Layout	21
Figure 25 ASY-G04 ICU's Equipments	22
Figure 26 Ceiling Panel-01	23
Figure 27 Ceiling Panel-02	24
Figure 28 Ceiling Panel-03	25
Figure 29 Ceiling Panel-04	26



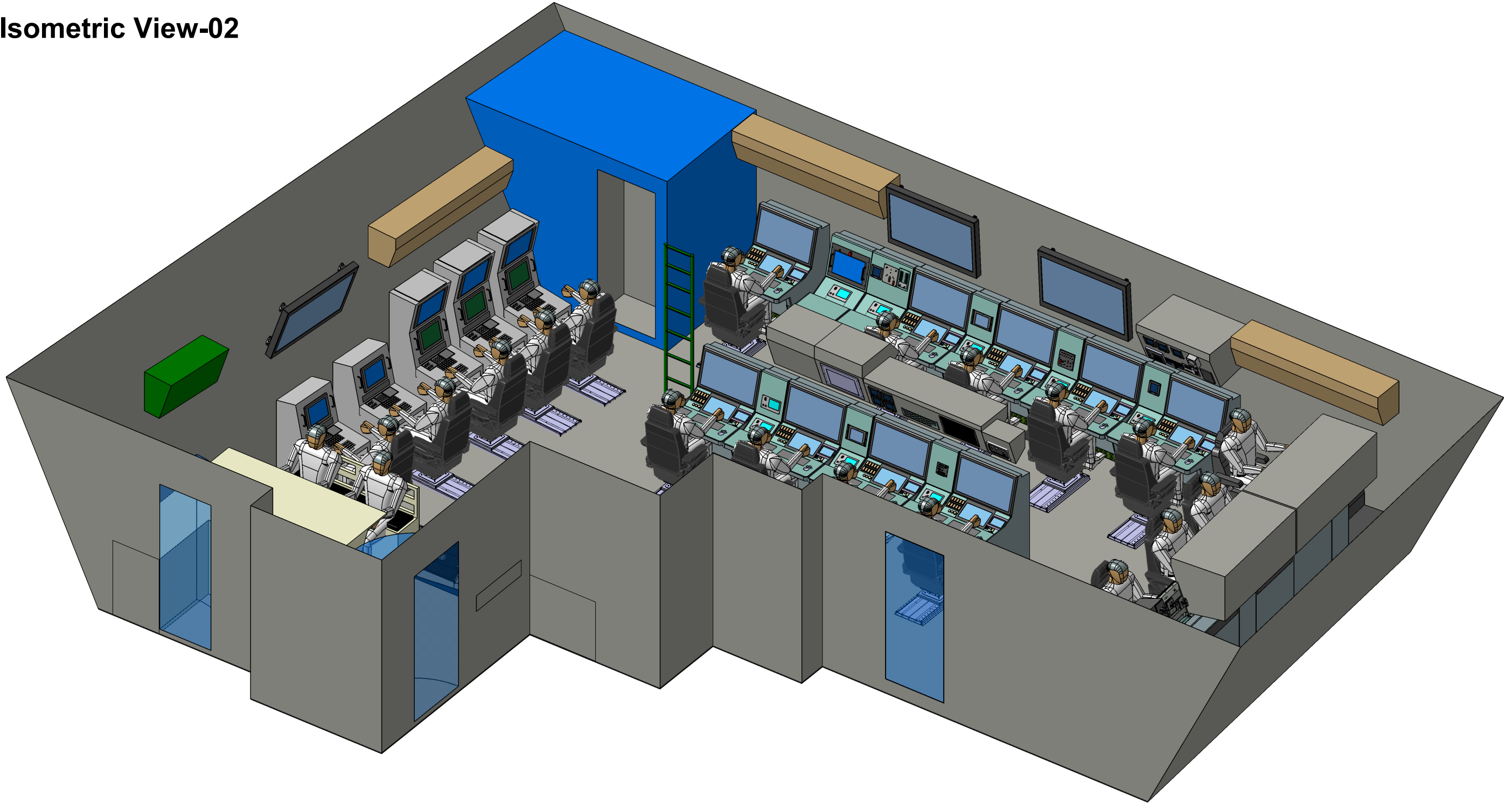
REVISION STATUS OF THE PAGES	Rev	X0	X0	X0	X0	X0														
	Page	1	2	3	4	5														
Unless otherwise specified, the scale is in mm.	PROJECT NAME: M CLASS FRIGATE GEMINIS -CMS PROJECT					CONTRACT NO:							CAGECODE: T0806		www.havelsan.com.tr					
TOLERANCE	APPROVED		NAME			TITLE		SIGNATURE		DATE		DOCUMENT NAME: ALMIRANTE RIVEROS (F18) CIC LAYOUT PLAN (DRAFT)								
	Prepared By		E.ZENGİN			Mechanical Design Engineer				17.04.2026										
	Checked By		B.ERDOĞAN			Integration Field Responsible														
SCALE	Quality By											DRAWING NO: HVL-CL-MDL-CIC-1000				REV : X0				
			Approved By		Y.ERDOĞAN		Project Manager						Privacy Degree: COMMERCIALY SECRET				PAGE : 2/25			

Isometric View-01



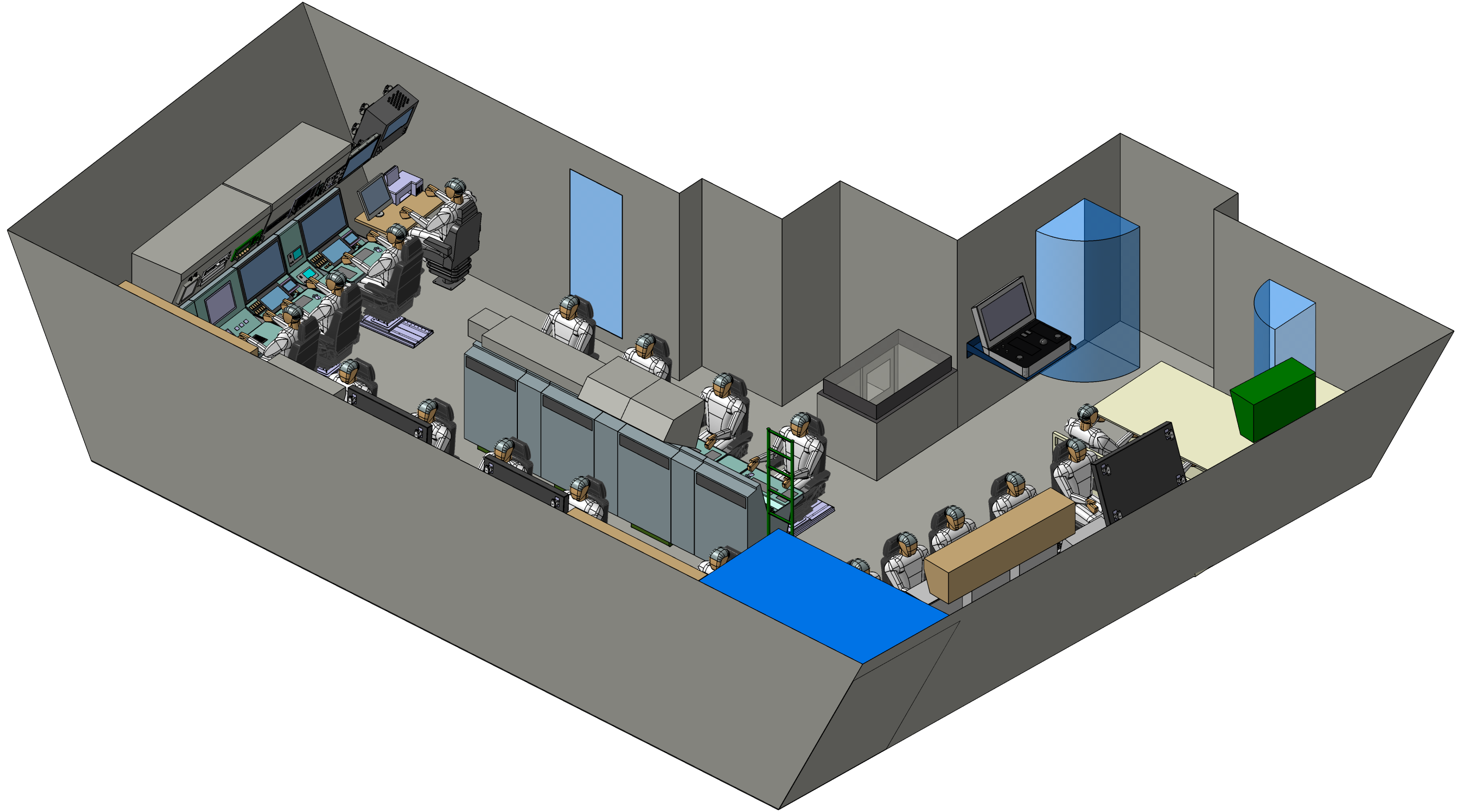
Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 3/25

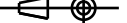
Isometric View-02



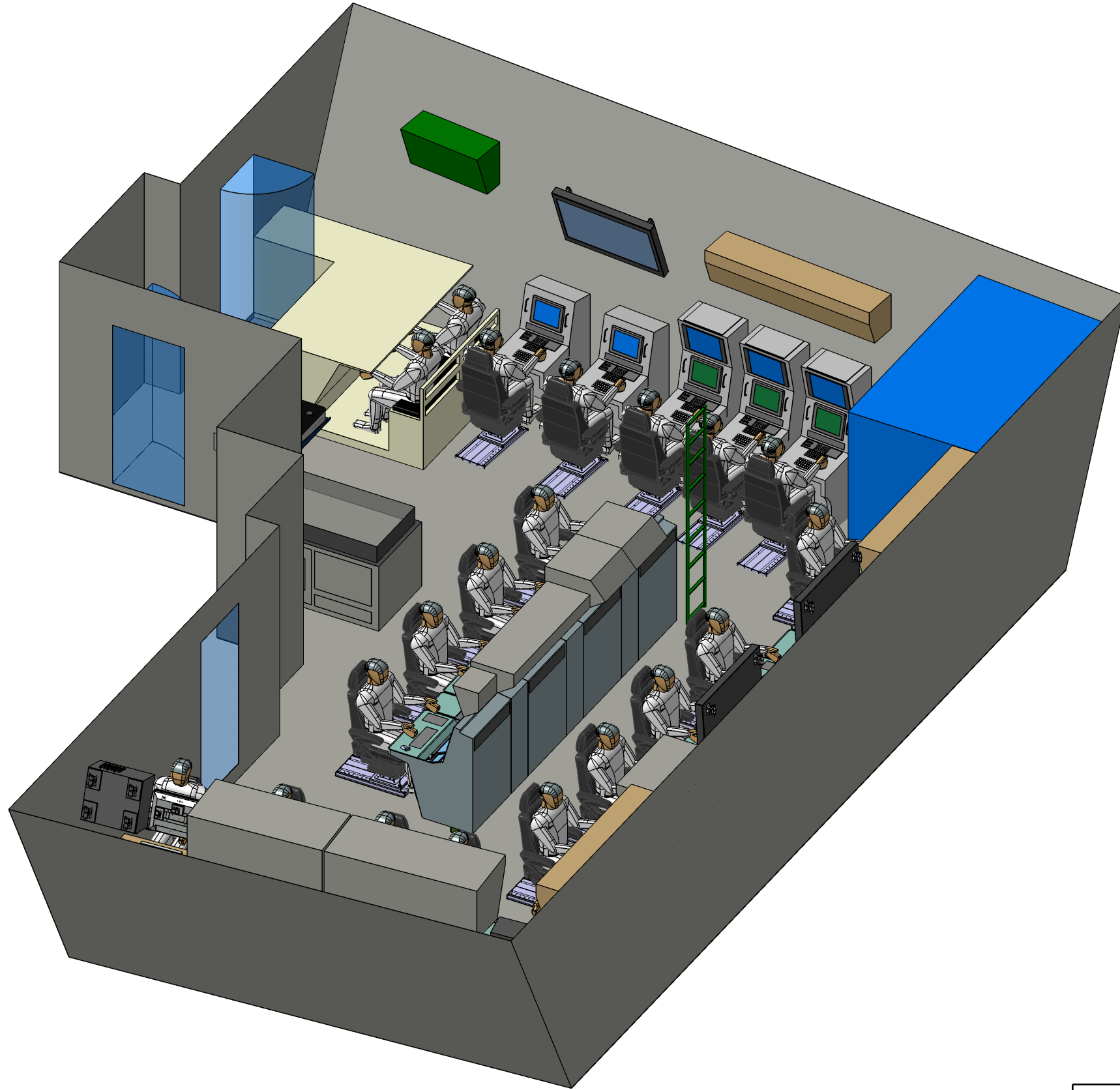
Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 HAVELSAN www.havelsan.com.tr	
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)		
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0	
	Privacy Degree: COMMERCIALY SECRET	PAGE : 4/25	

Isometric View-03

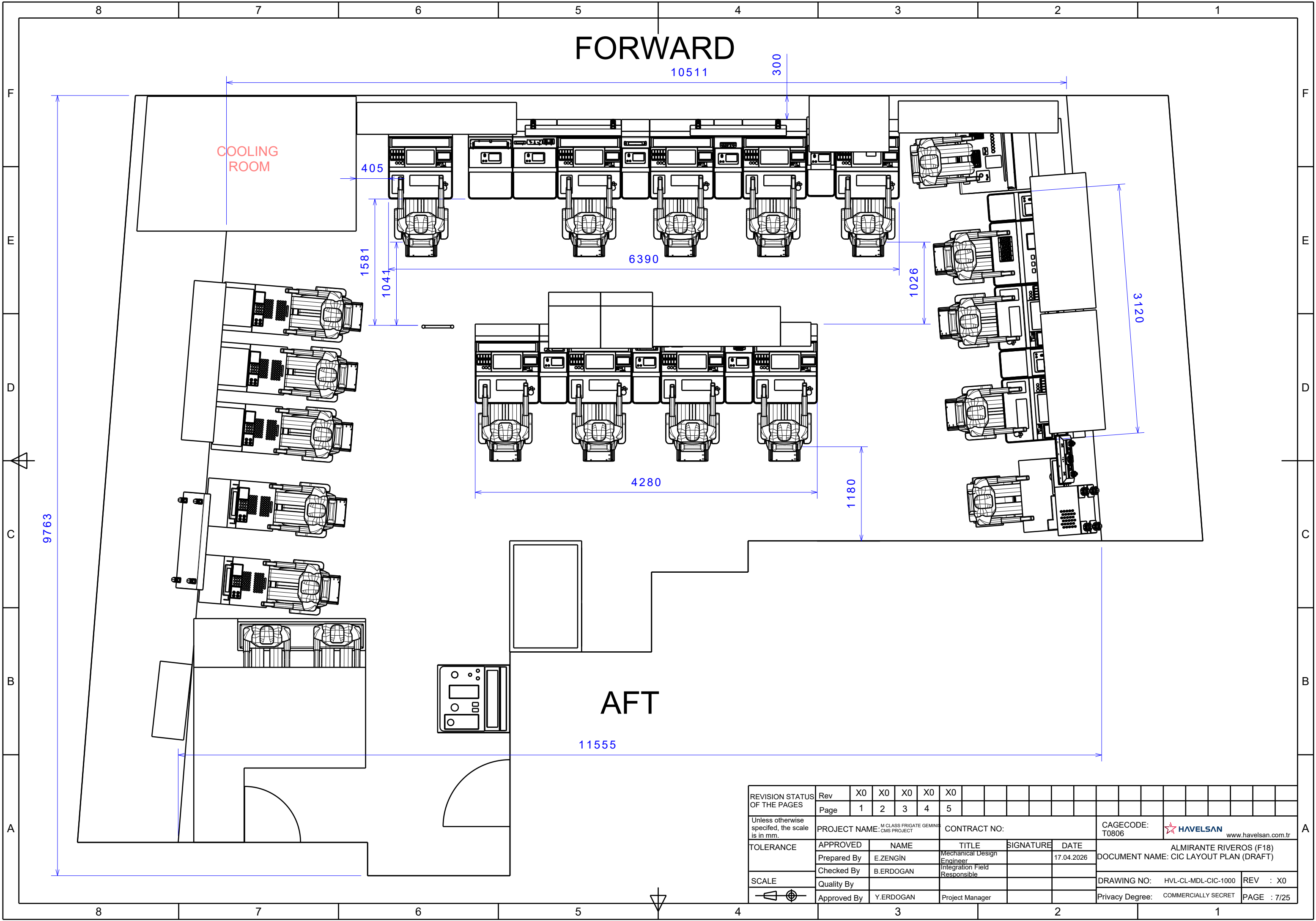


Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 5/25

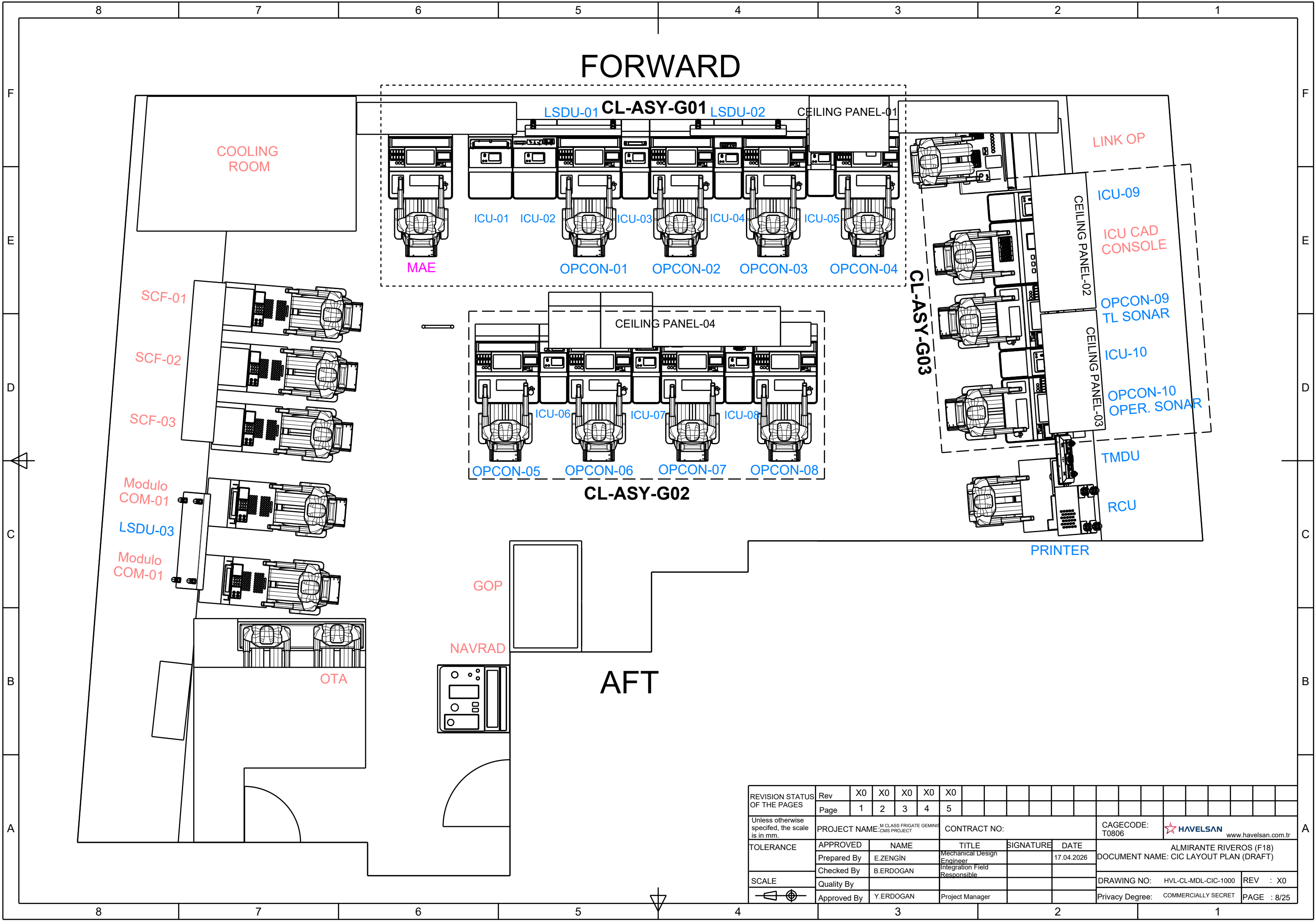
Isometric View-04



Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 HAVELSAN www.havelsan.com.tr	
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)		
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV	: X0
	Privacy Degree: COMMERCIALY SECRET	PAGE	: 6/25

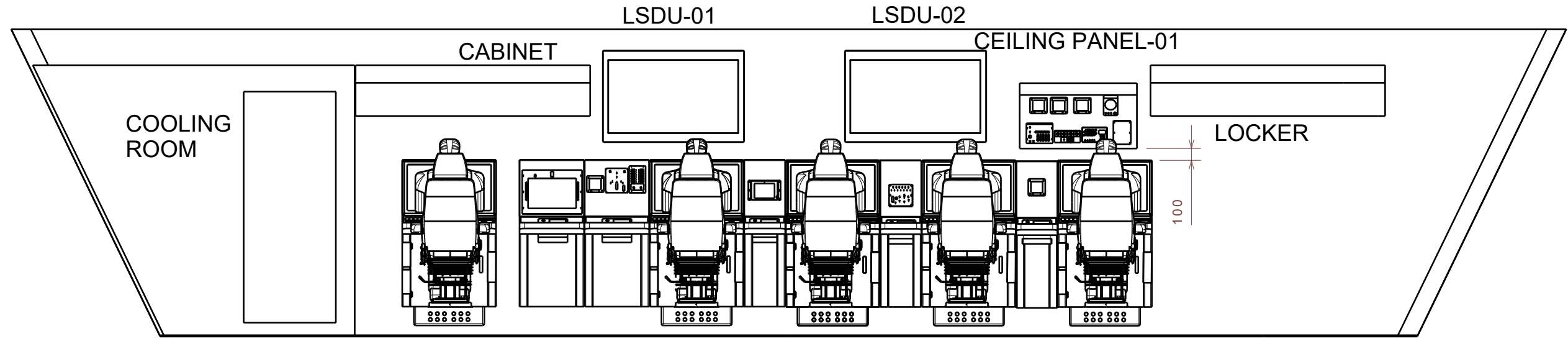


REVISION STATUS OF THE PAGES	Rev	X0	X0	X0	X0	X0																
	Page	1	2	3	4	5																
Unless otherwise specified, the scale is in mm.	PROJECT NAME: M CLASS FRIGATE GEMINIS CMS PROJECT					CONTRACT NO:								CAGECODE: T0806		 HAVELSAN www.havelsan.com.tr						
TOLERANCE	APPROVED		NAME			TITLE		SIGNATURE		DATE		ALMIRANTE RIVEROS (F18)										
	Prepared By		E.ZENGİN			Mechanical Design Engineer				17.04.2026		DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)										
	Checked By		B.ERDOGAN			Integration Field Responsible																
SCALE	Quality By											DRAWING NO:		HVL-CL-MDL-CIC-1000				REV : X0				
			Approved By		Y.ERDOGAN		Project Manager						Privacy Degree:		COMMERCIALY SECRET				PAGE : 7/25			

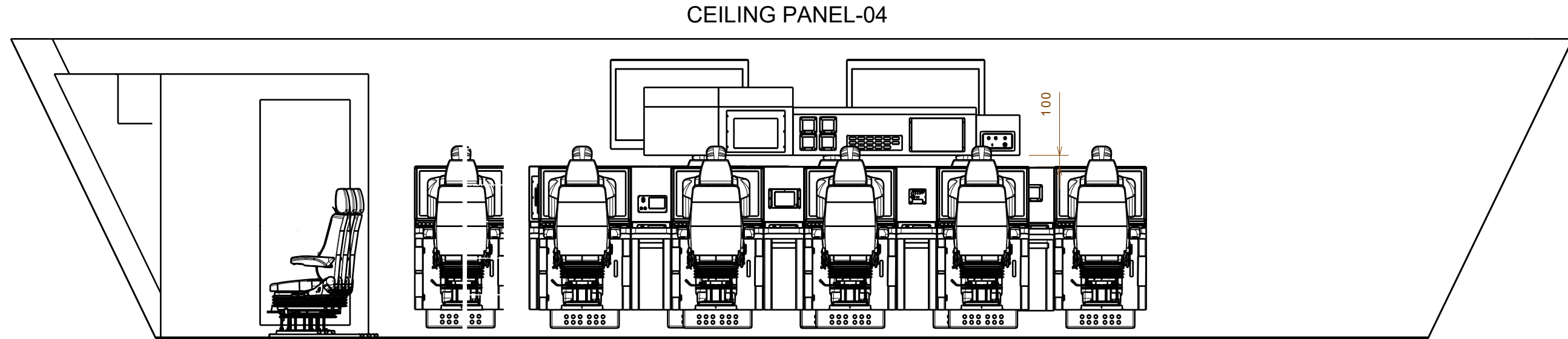


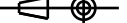
REVISION STATUS OF THE PAGES	Rev	X0	X0	X0	X0	X0															
	Page	1	2	3	4	5															
Unless otherwise specified, the scale is in mm.	PROJECT NAME: M CLASS FRIGATE GEMINIS CMS PROJECT					CONTRACT NO:							CAGECODE: T0806		 HAVELSAN www.havelsan.com.tr						
TOLERANCE	APPROVED		NAME			TITLE		SIGNATURE		DATE		ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)									
	Prepared By		E.ZENGİN			Mechanical Design Engineer				17.04.2026											
	Checked By		B.ERDOGAN			Integration Field Responsible															
SCALE	Quality By											DRAWING NO:		HVL-CL-MDL-CIC-1000				REV : X0			
			Approved By		Y.ERDOGAN		Project Manager						Privacy Degree:		COMMERCIALY SECRET				PAGE : 8/25		

BOW SECTION

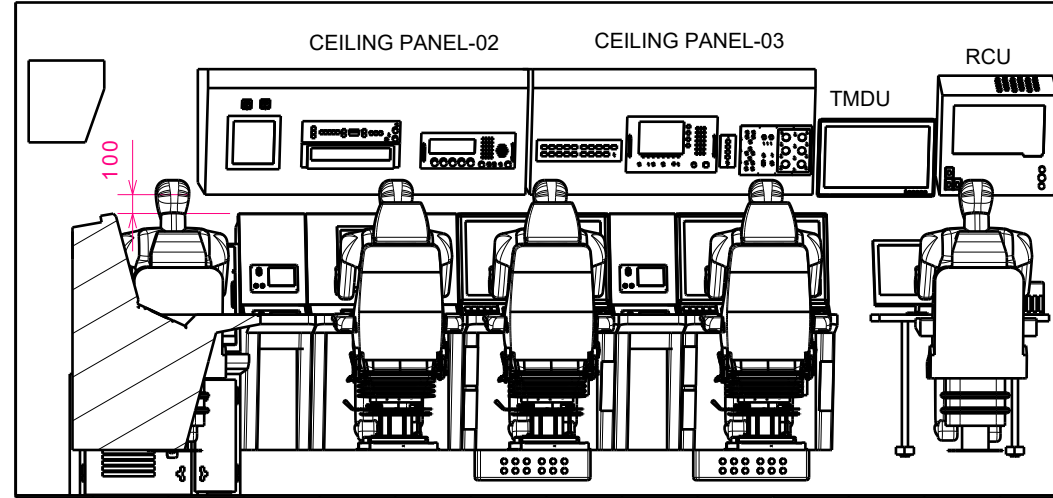


CENTER SECTION

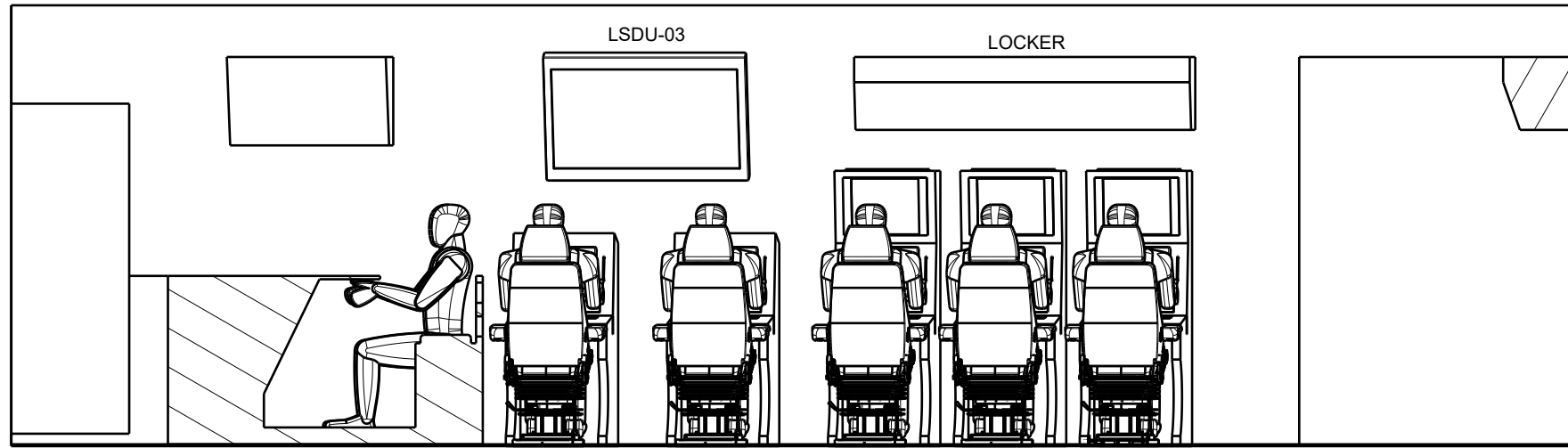


Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 9/25

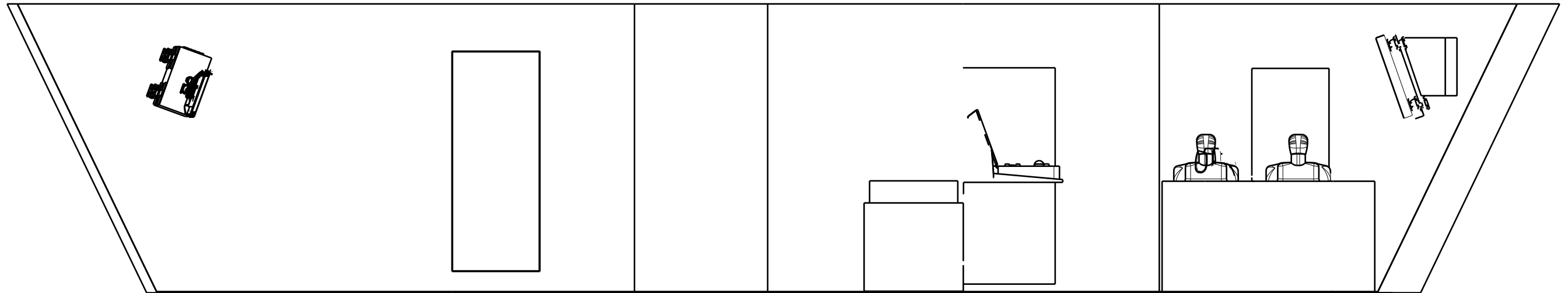
STBD SECTION

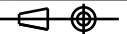


PORT SECTION

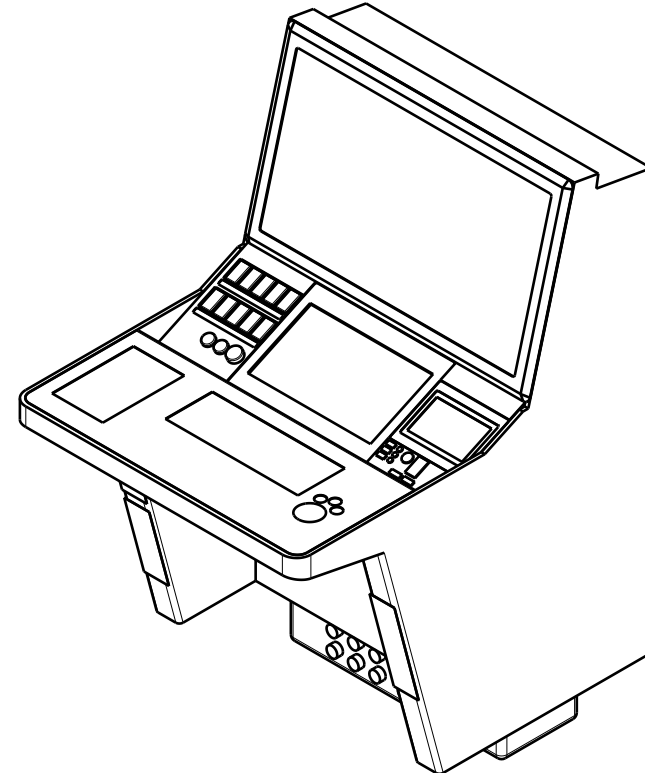
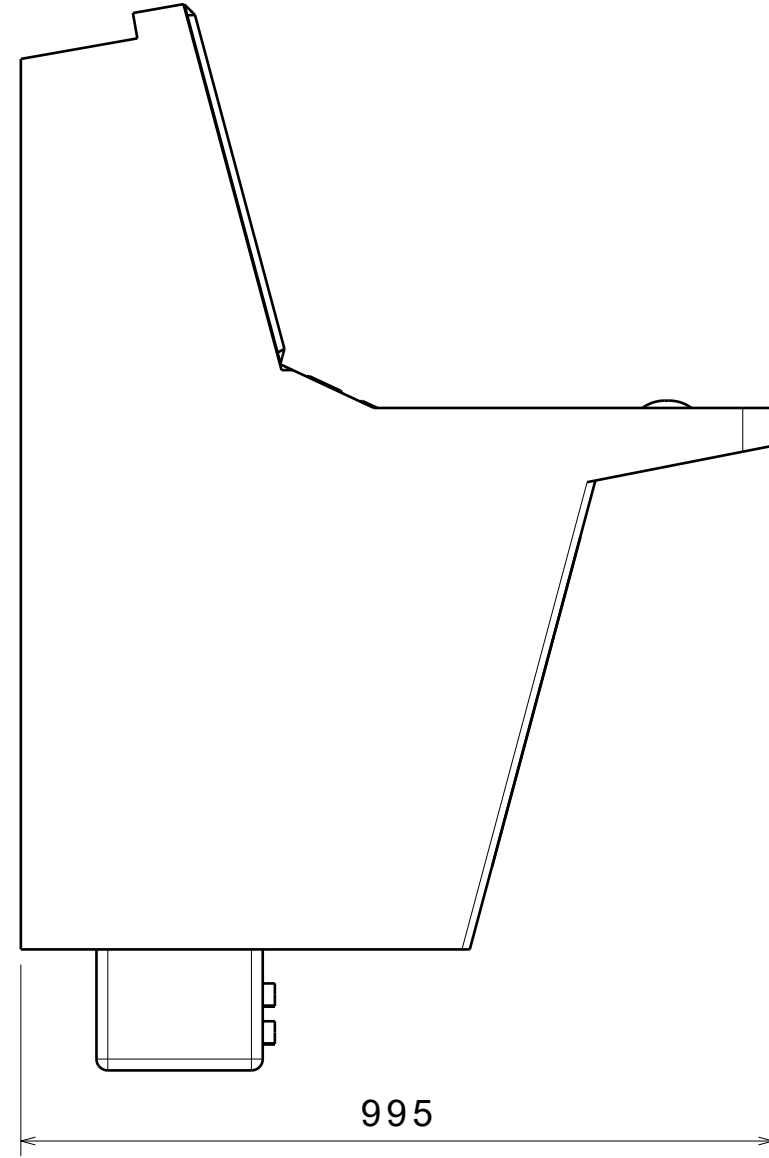
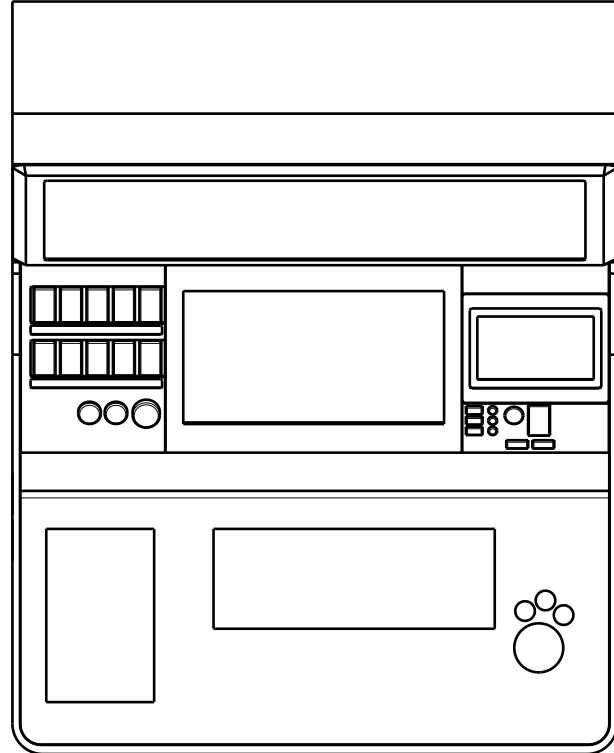
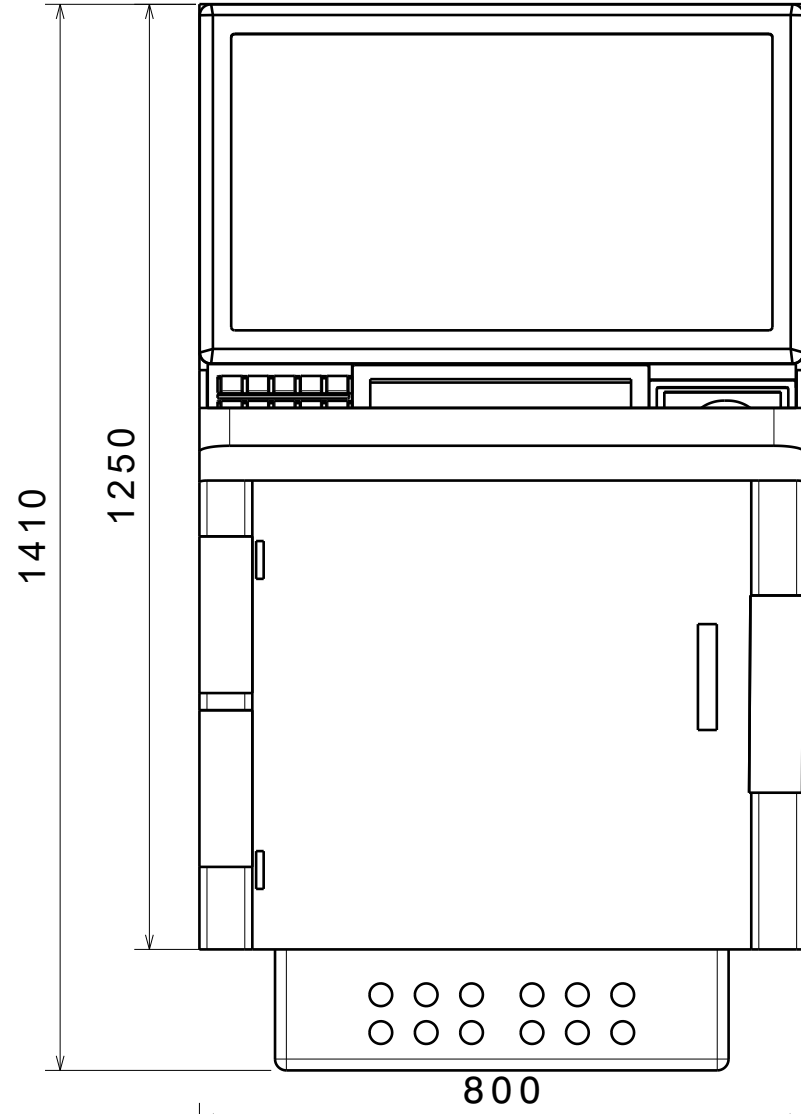


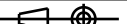
AFT SECTION



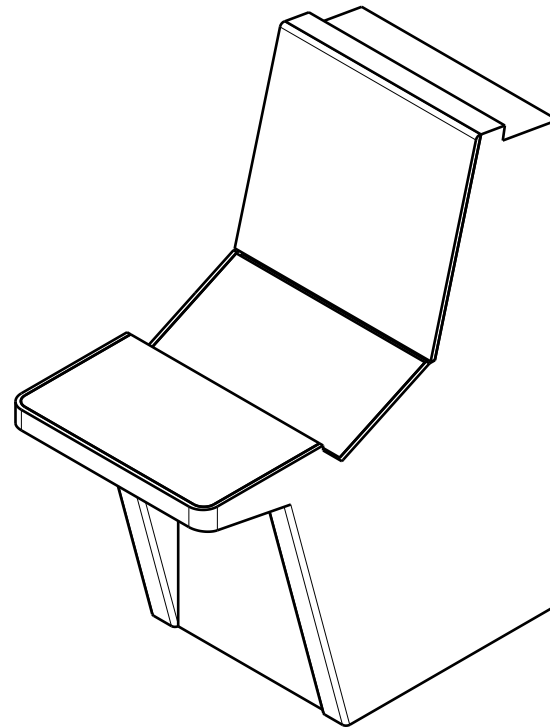
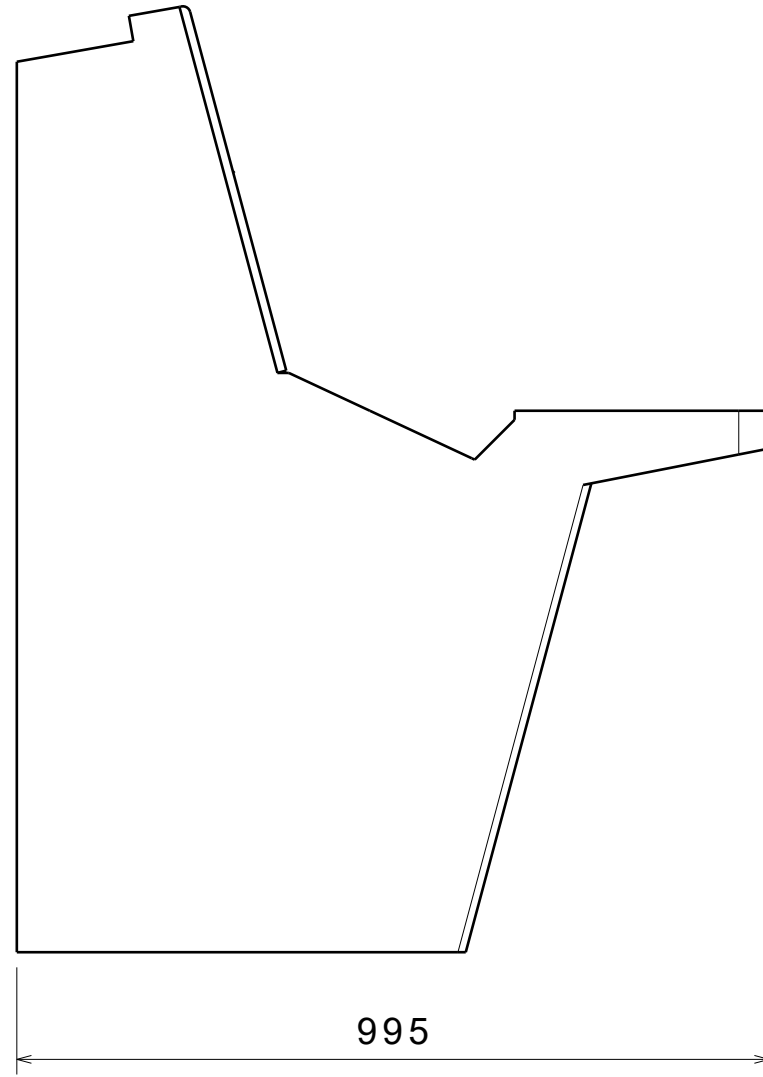
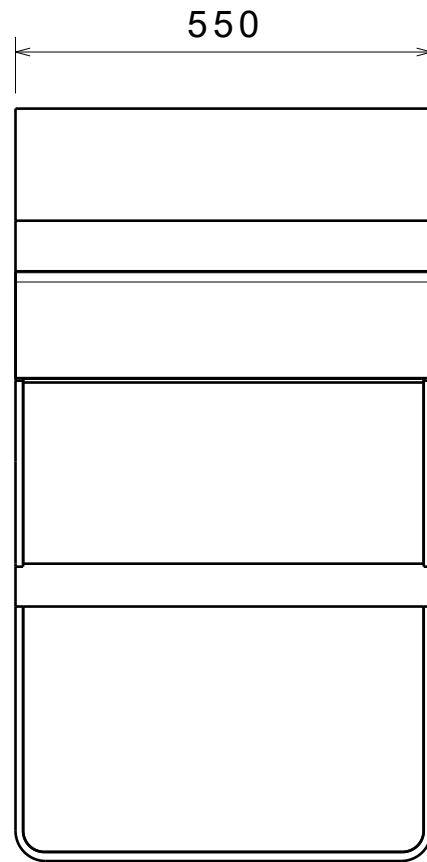
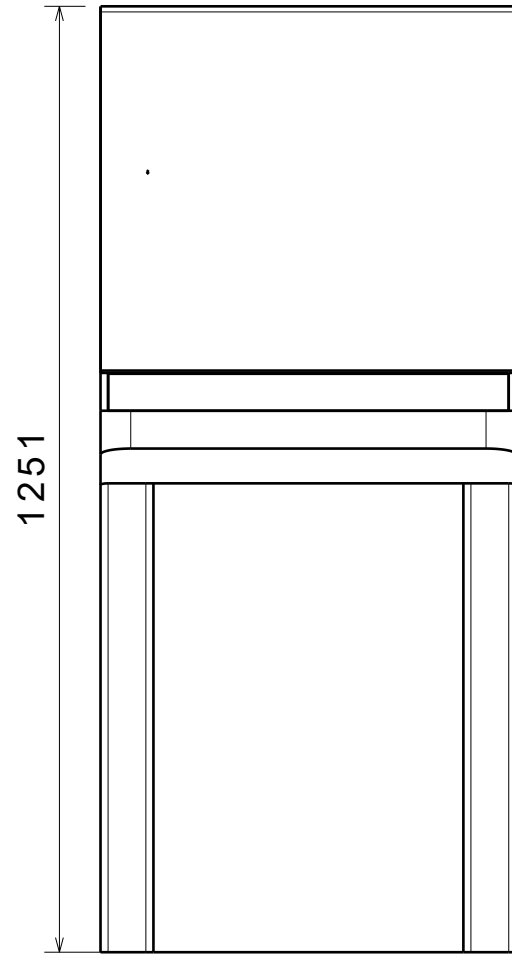
Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 10/25

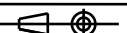
OPCON

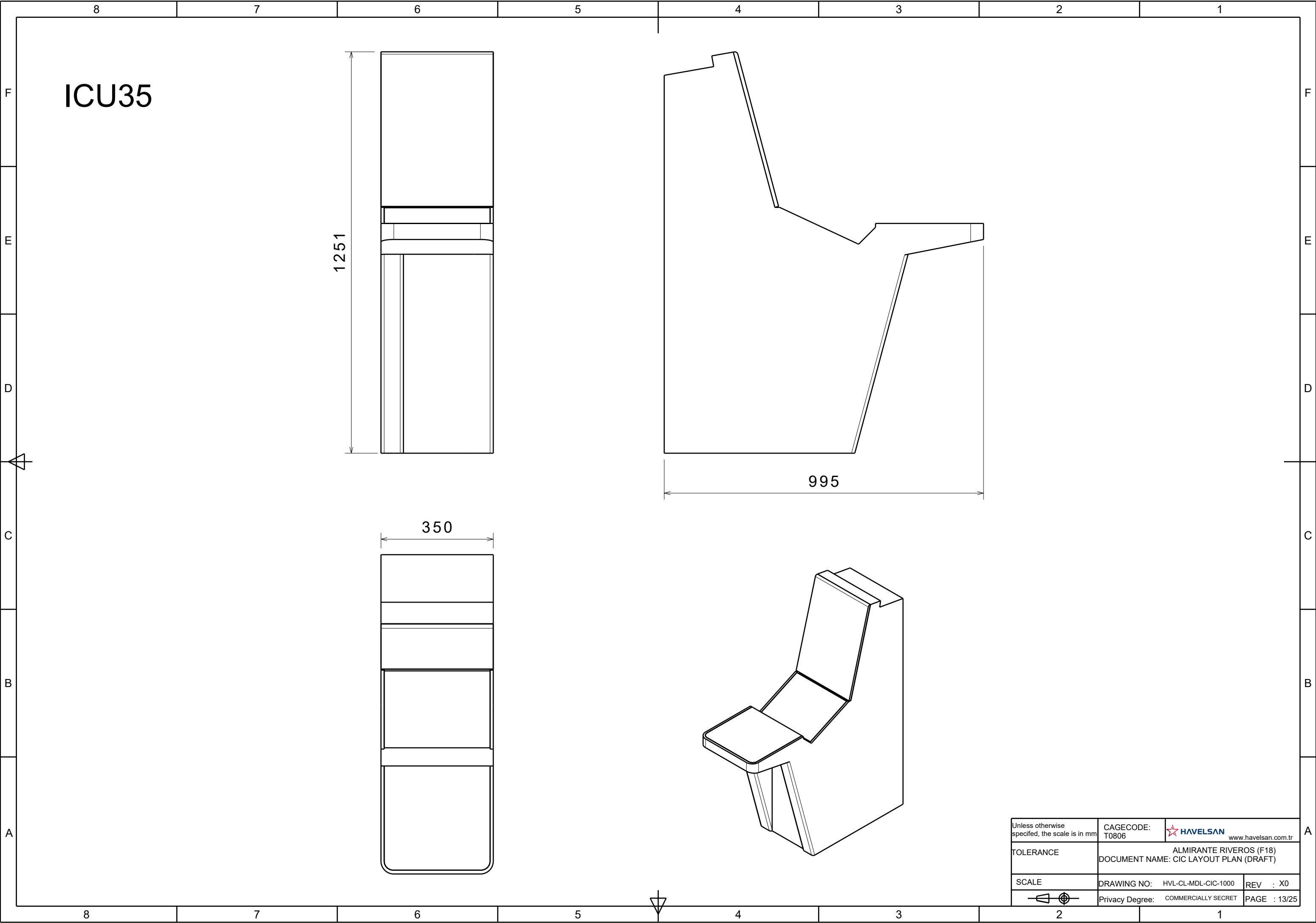


Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 11/25

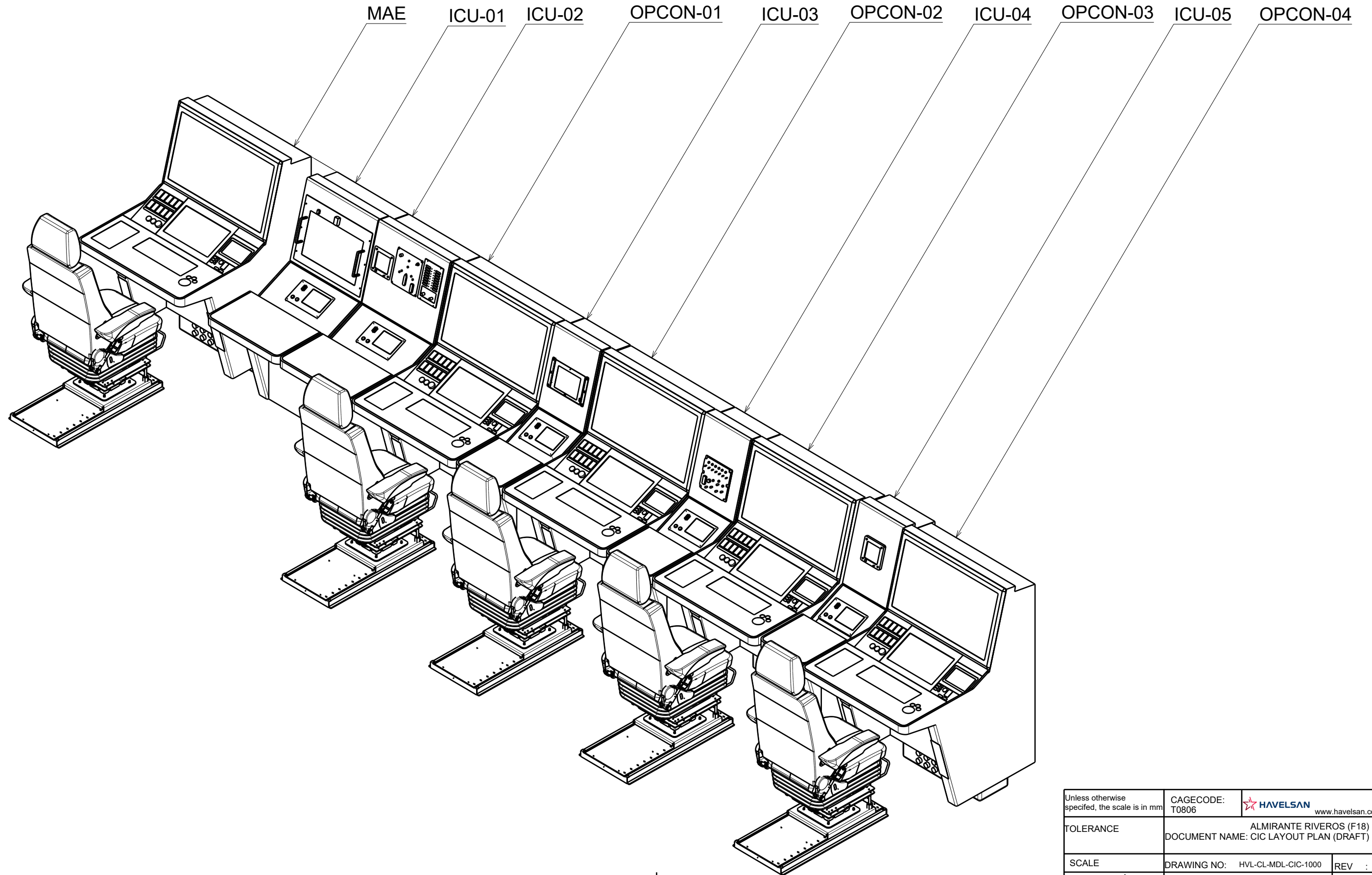
ICU55

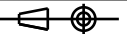


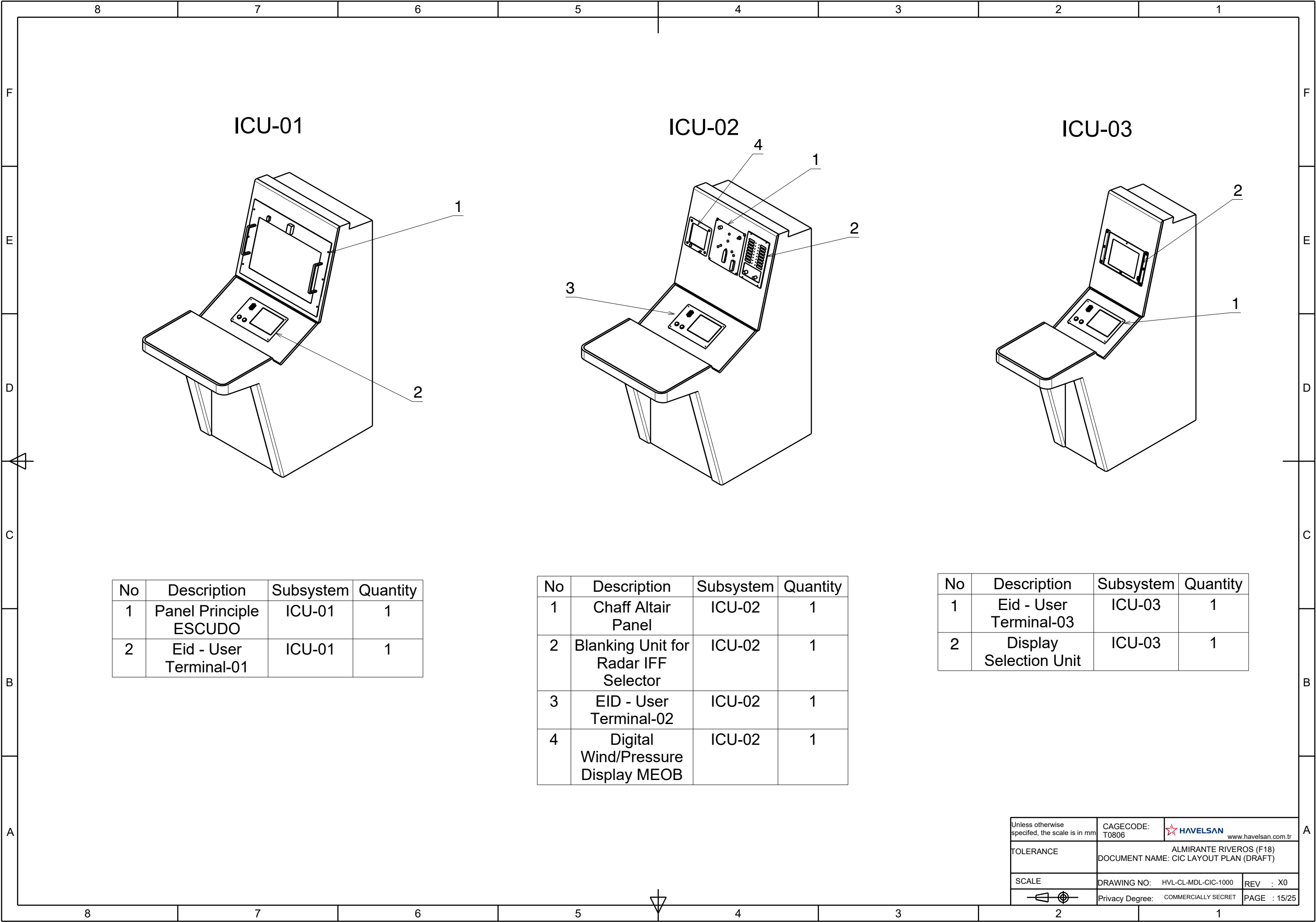
Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 12/25

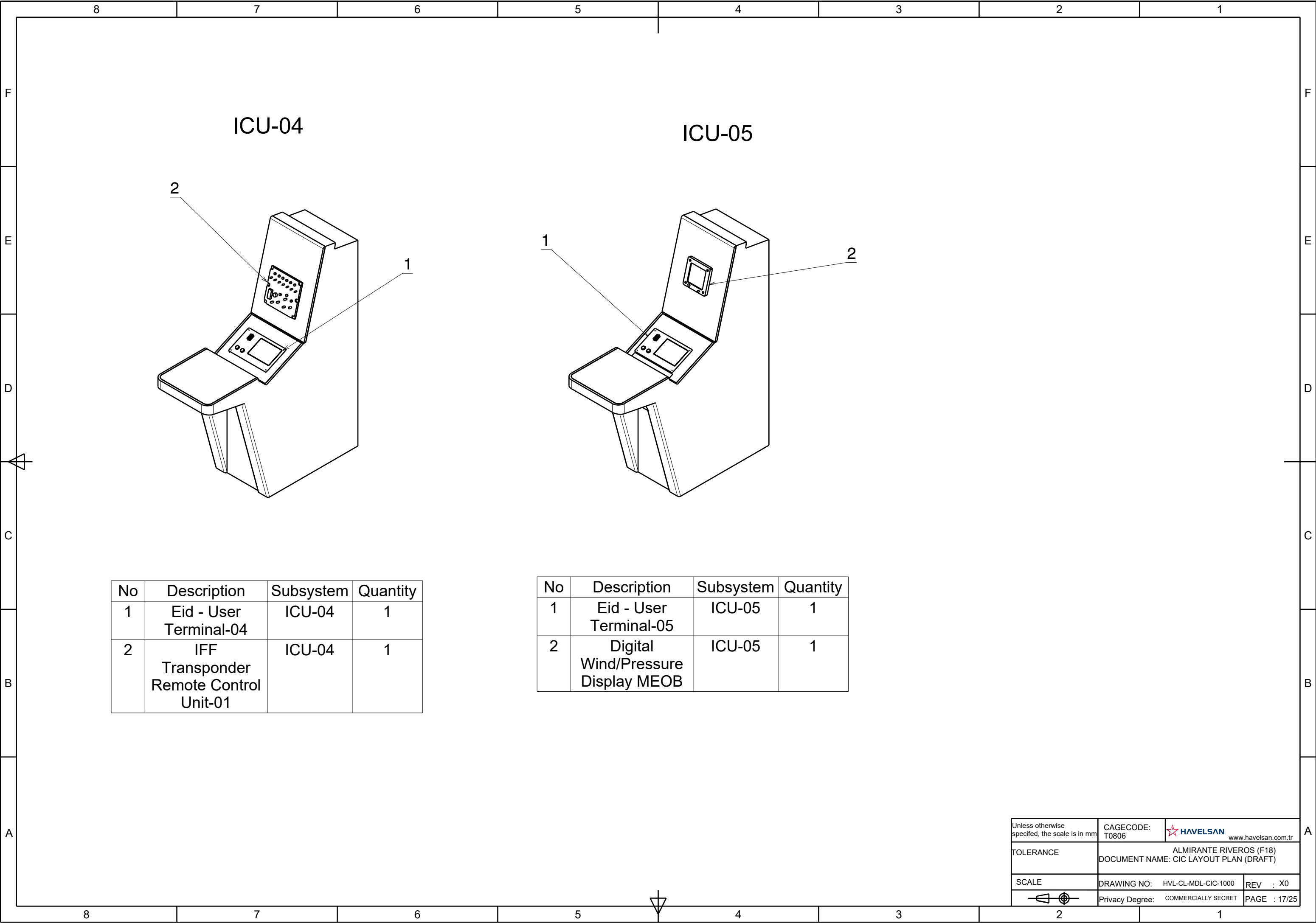


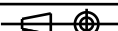
CL-ASY-G01



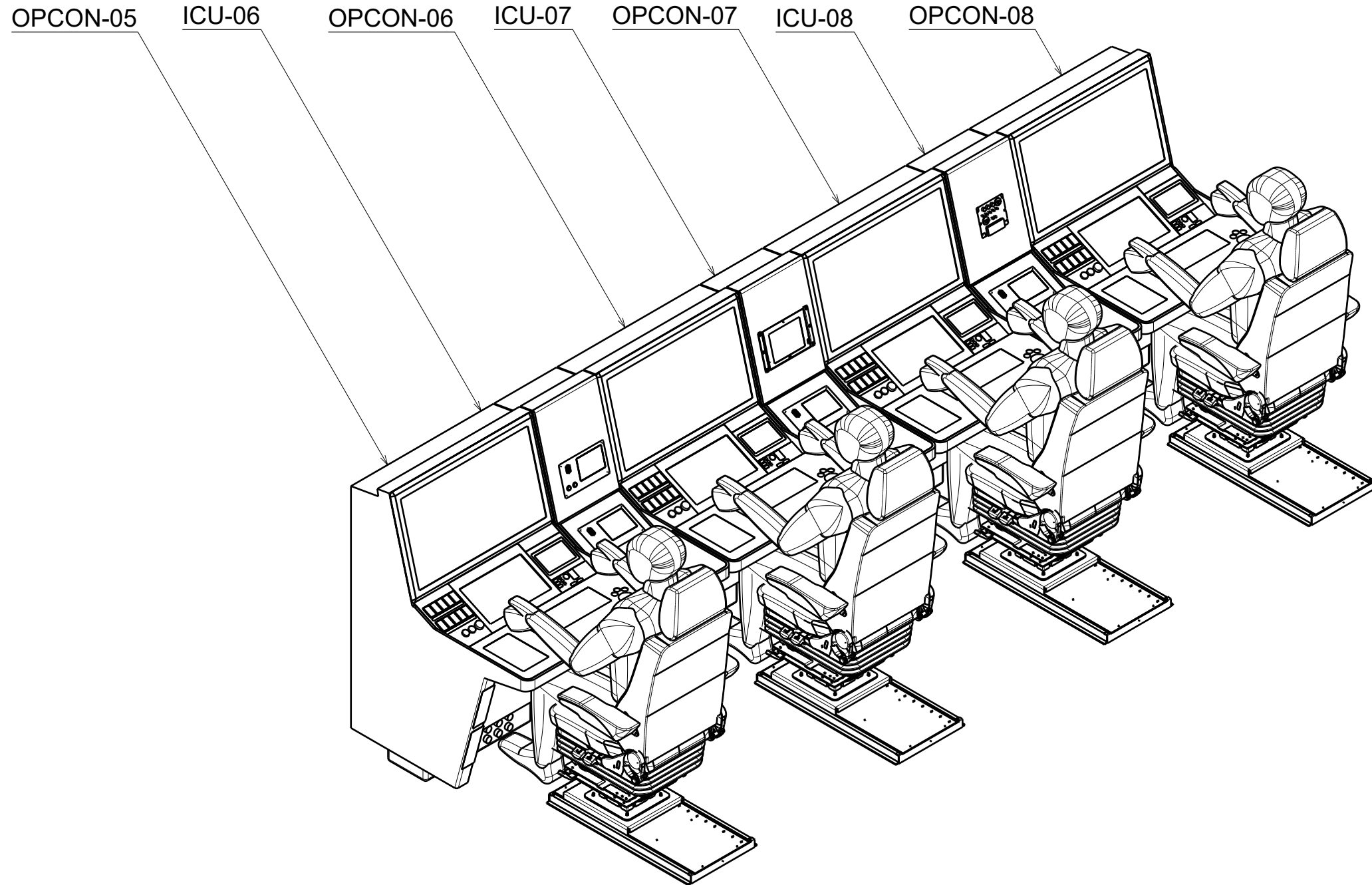
Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 14/25

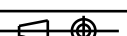


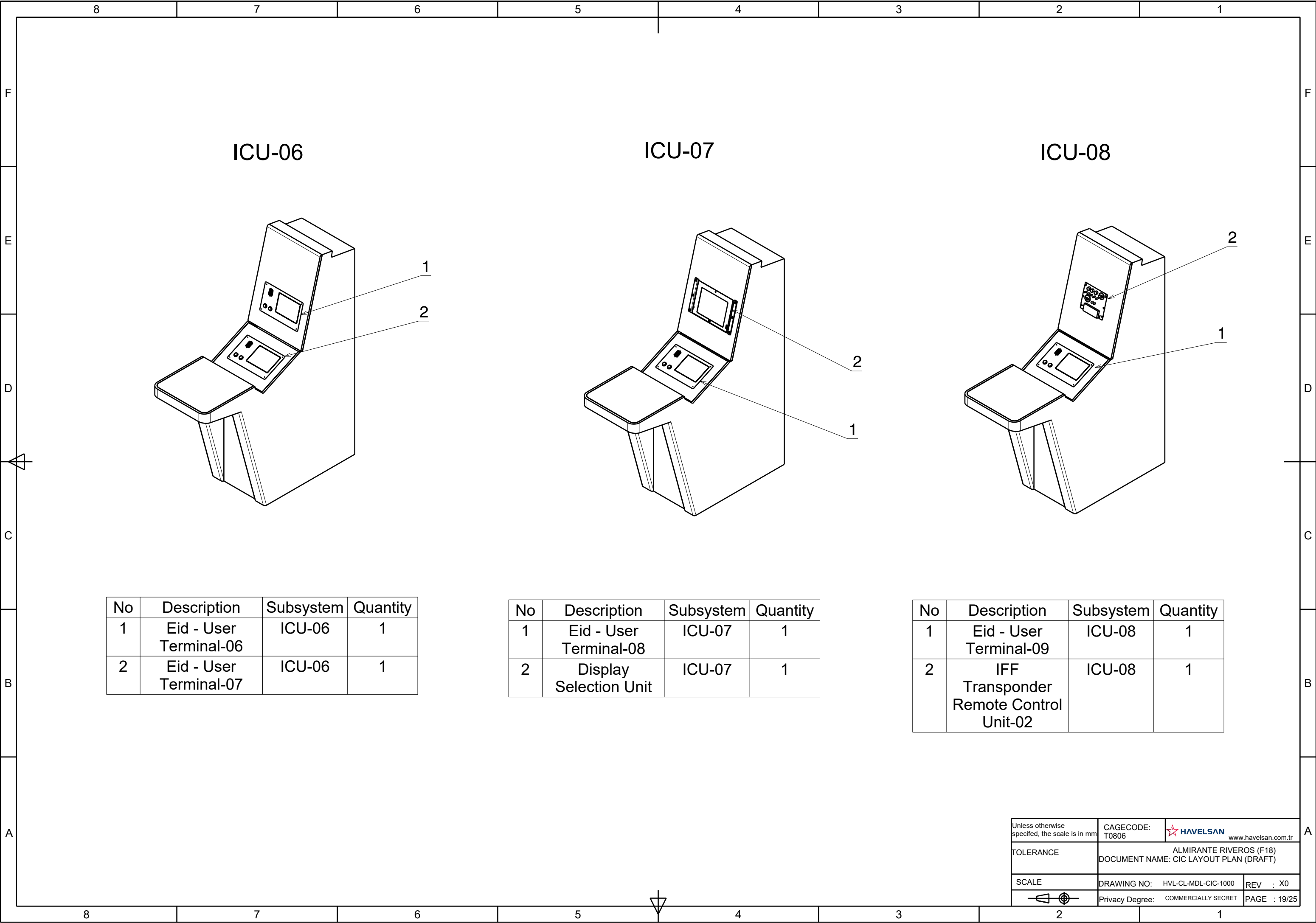


Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 17/25

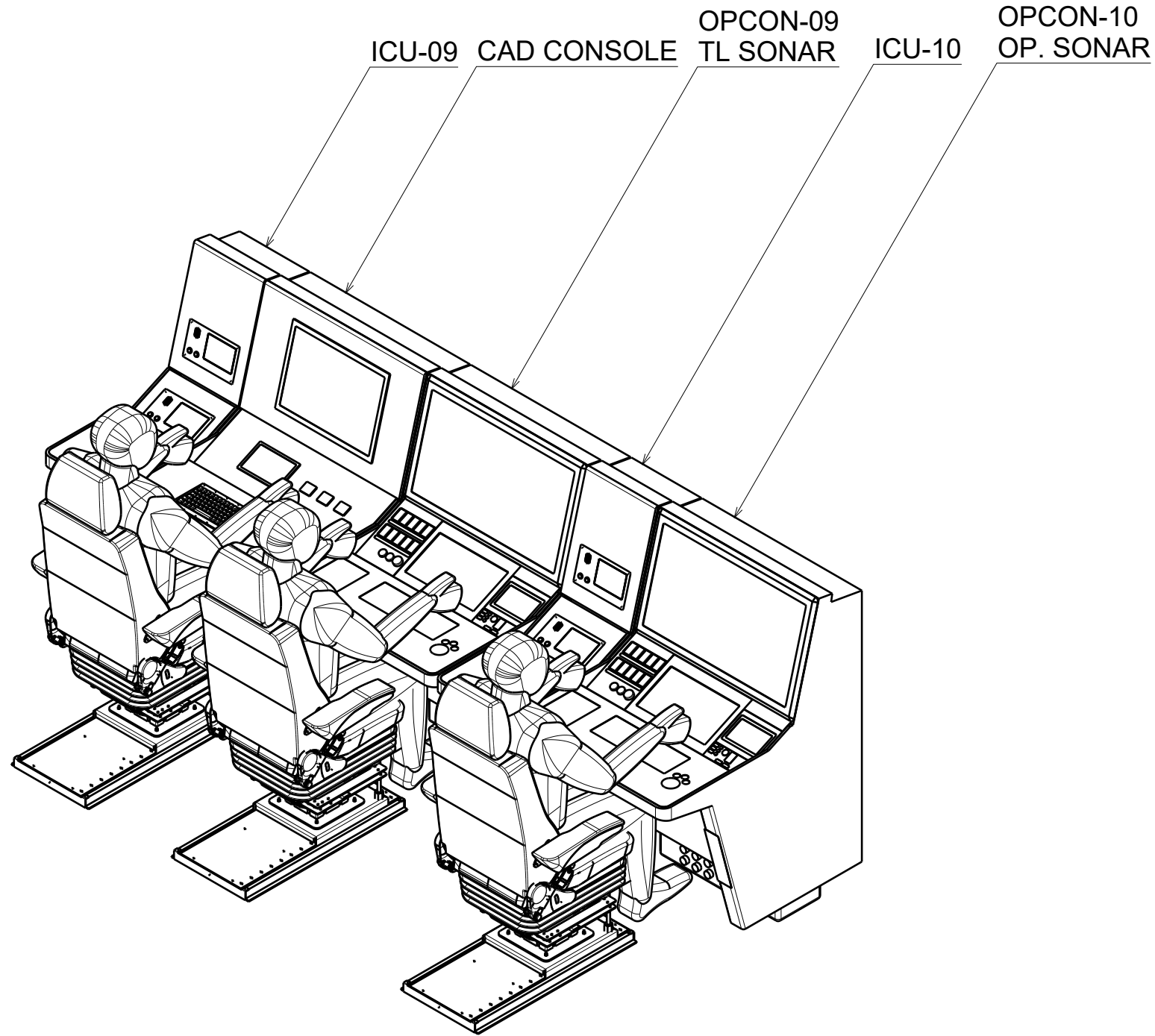
CL-ASY-G02

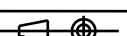


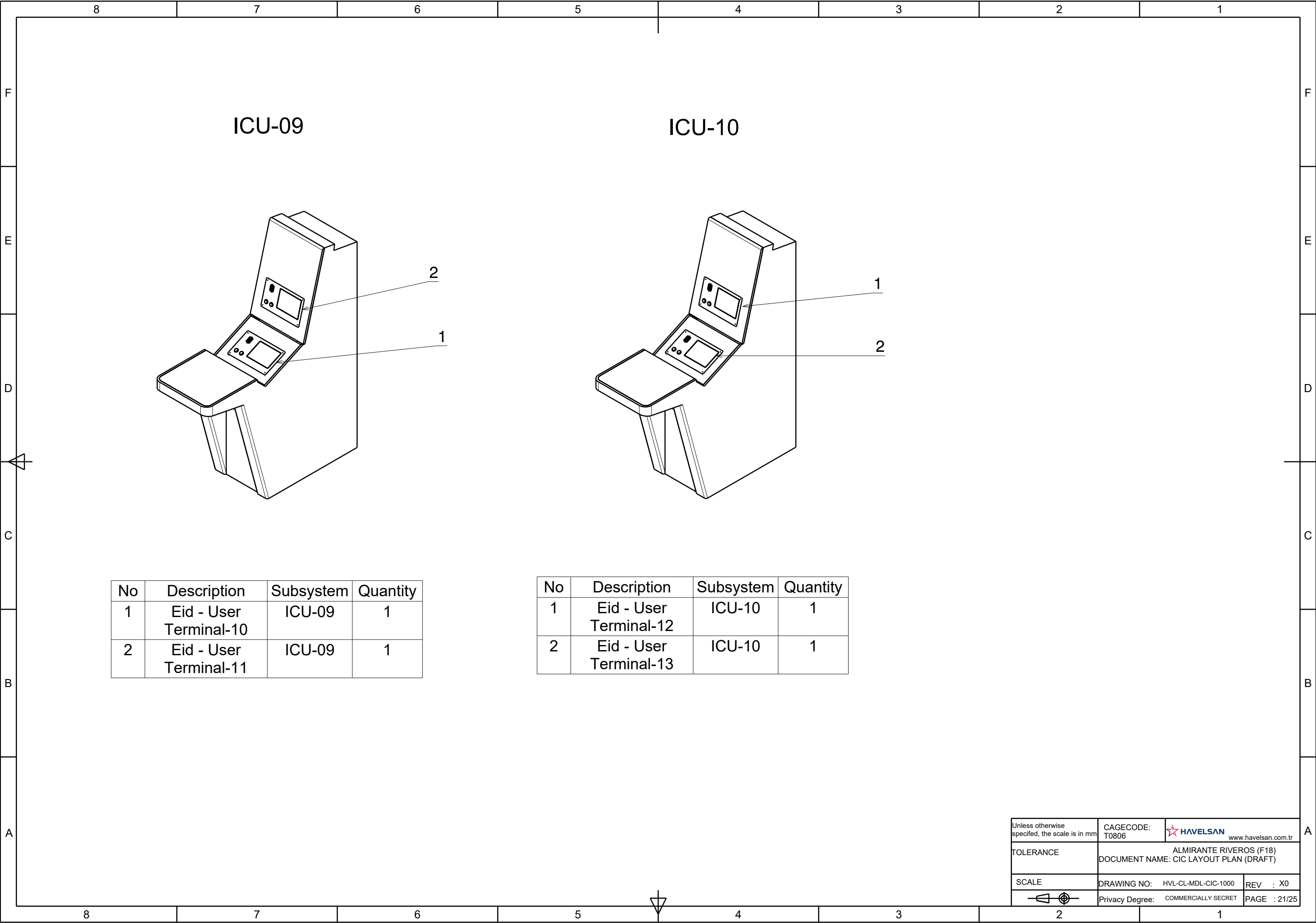
Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 18/25



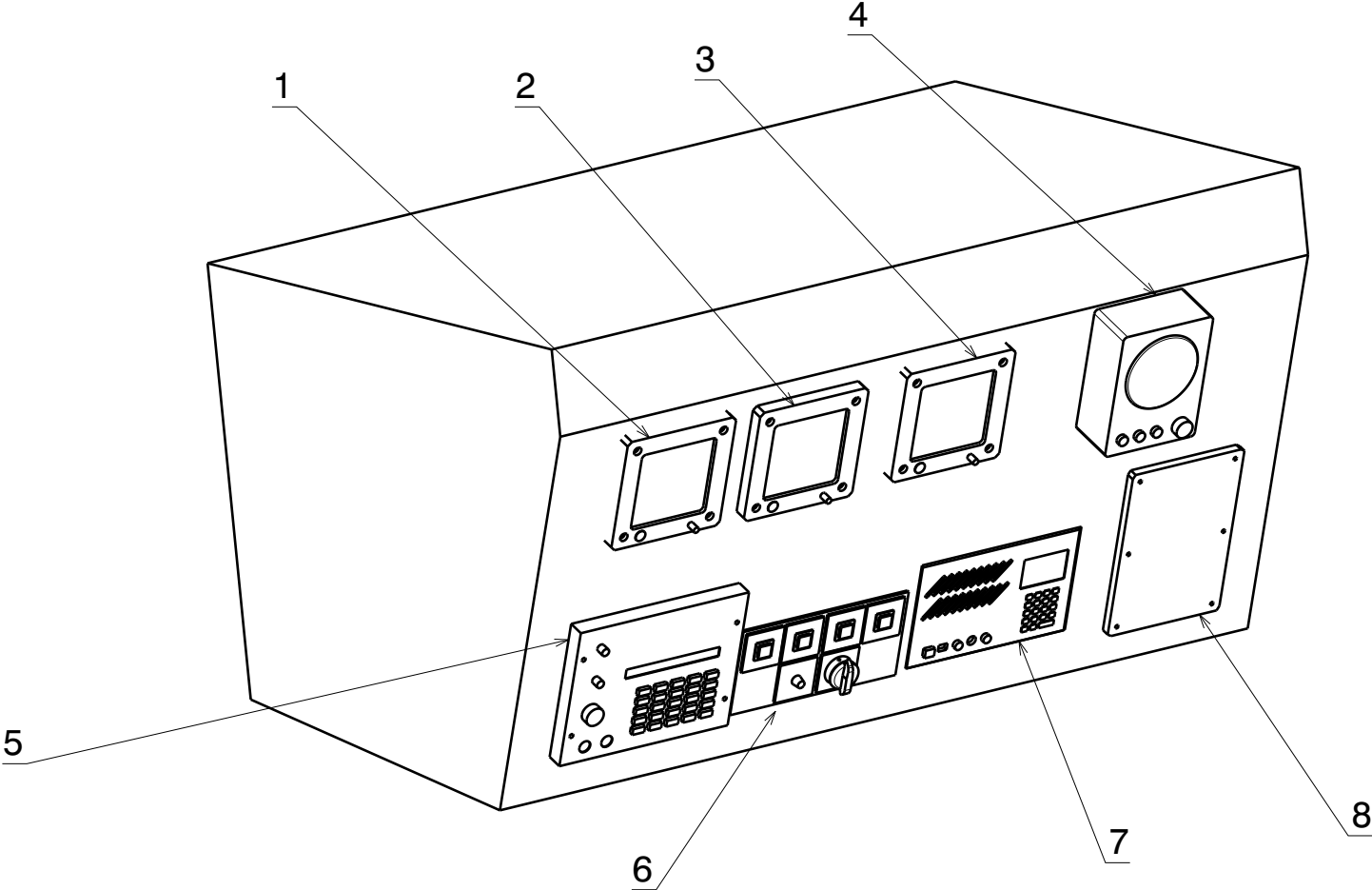
CL-ASY-G03



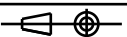
Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 20/25

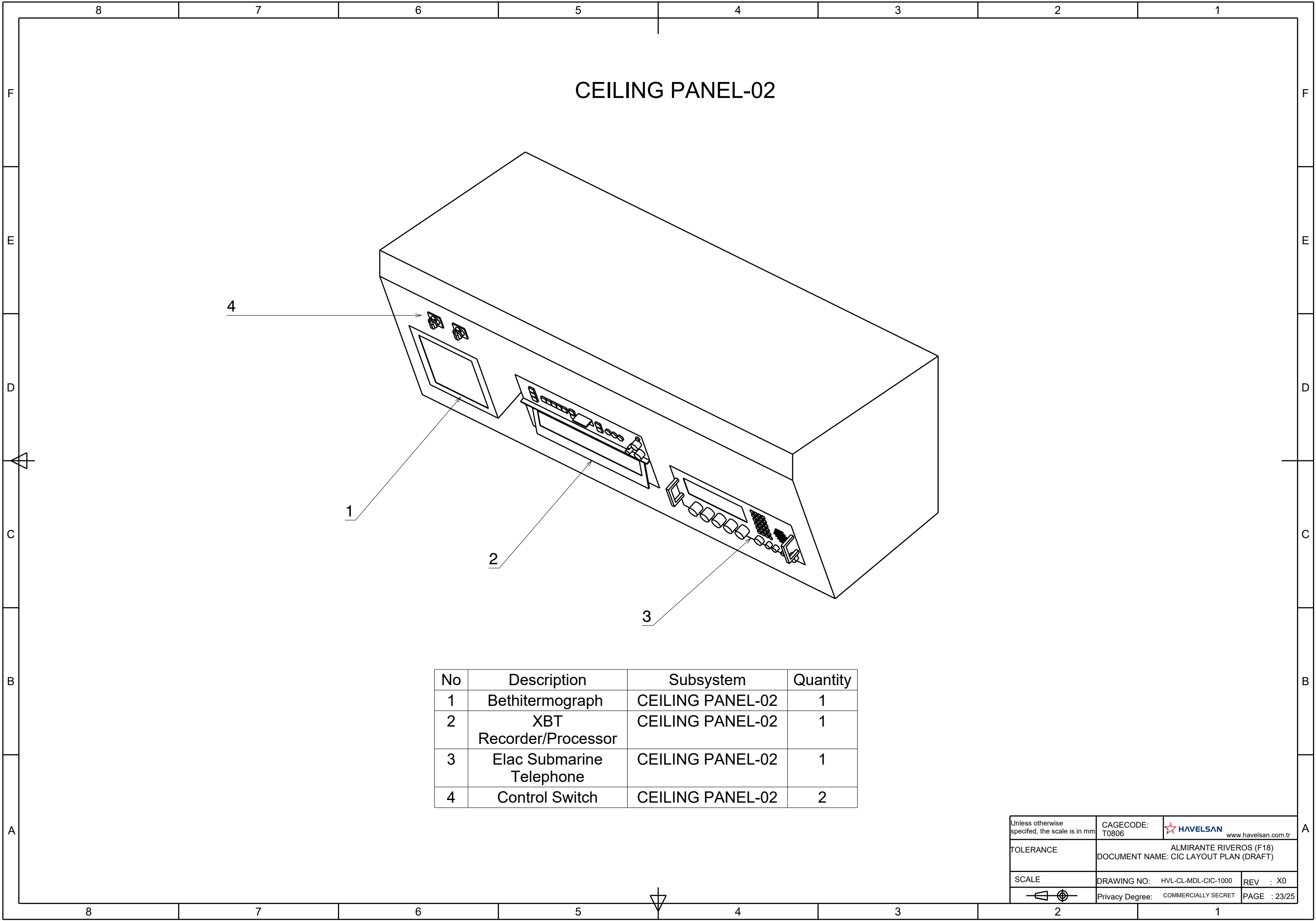


CEILING PANEL-01



No	Description	Subsystem	Quantity
1	Analog Wind Speed Repeater	CEILING PANEL-01	1
2	Analog Wind Direction Repiter	CEILING PANEL-01	1
3	Analog Heading Repeater	CEILING PANEL-01	1
4	IFF Alarm Speaker	CEILING PANEL-01	1
5	VHF Remote Unit	CEILING PANEL-01	1
6	Flight Deck Alarm Lambs	CEILING PANEL-01	1
7	Rohde Schwarz VHF Remote Unit	CEILING PANEL-01	1
8	IFF Interragator Remote Unit	CEILING PANEL-01	1

Unless otherwise specifed, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 22/25

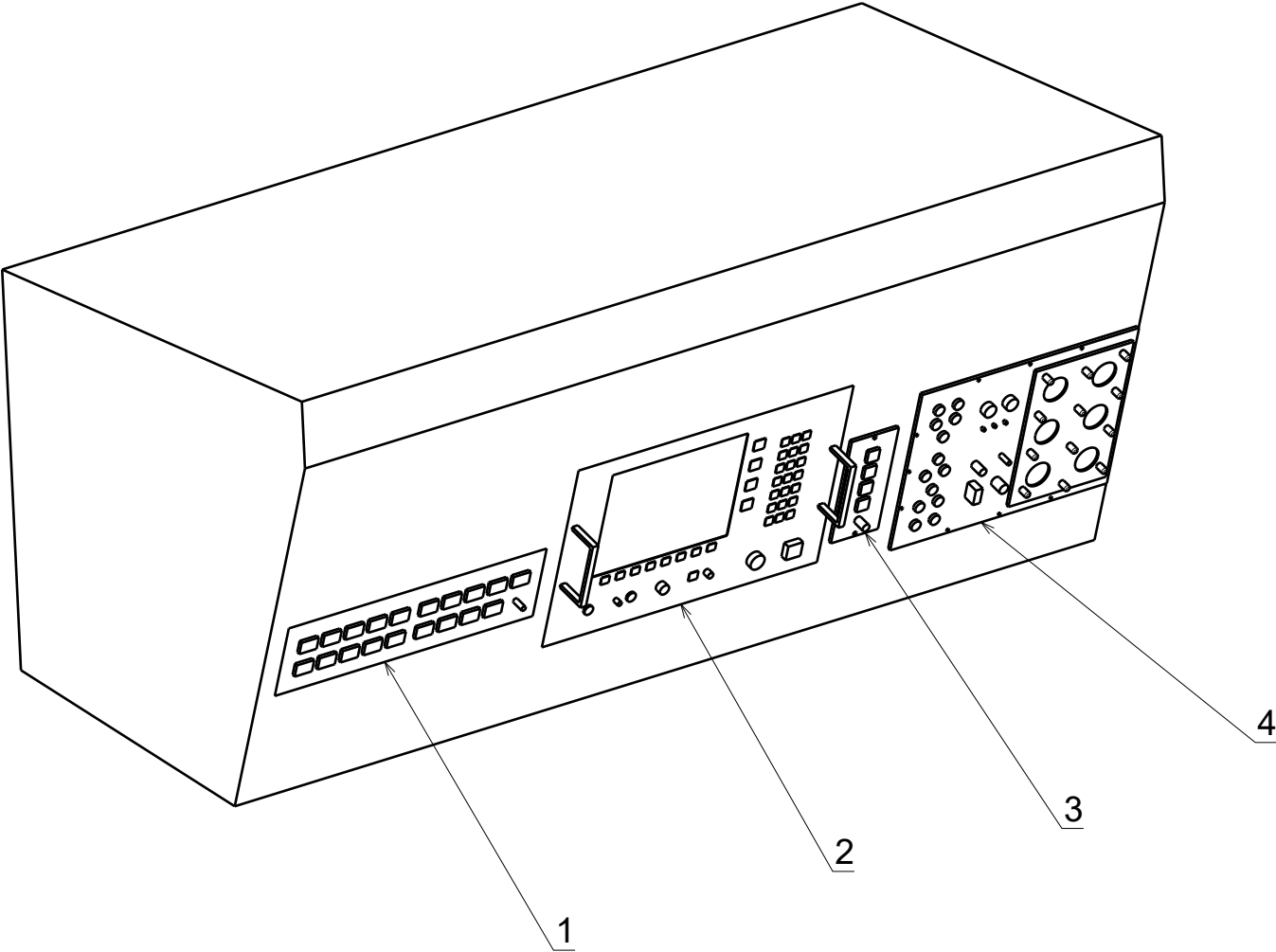


CEILING PANEL-02

No	Description	Subsystem	Quantity
1	Bethitermograph	CEILING PANEL-02	1
2	XBT Recorder/Processor	CEILING PANEL-02	1
3	Elac Submarine Telephone	CEILING PANEL-02	1
4	Control Switch	CEILING PANEL-02	2

Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 HAVELSAN www.havelsan.com.tr	
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)		
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV	: X0
	Privacy Degree: COMMERCIALY SECRET	PAGE	: 23/25

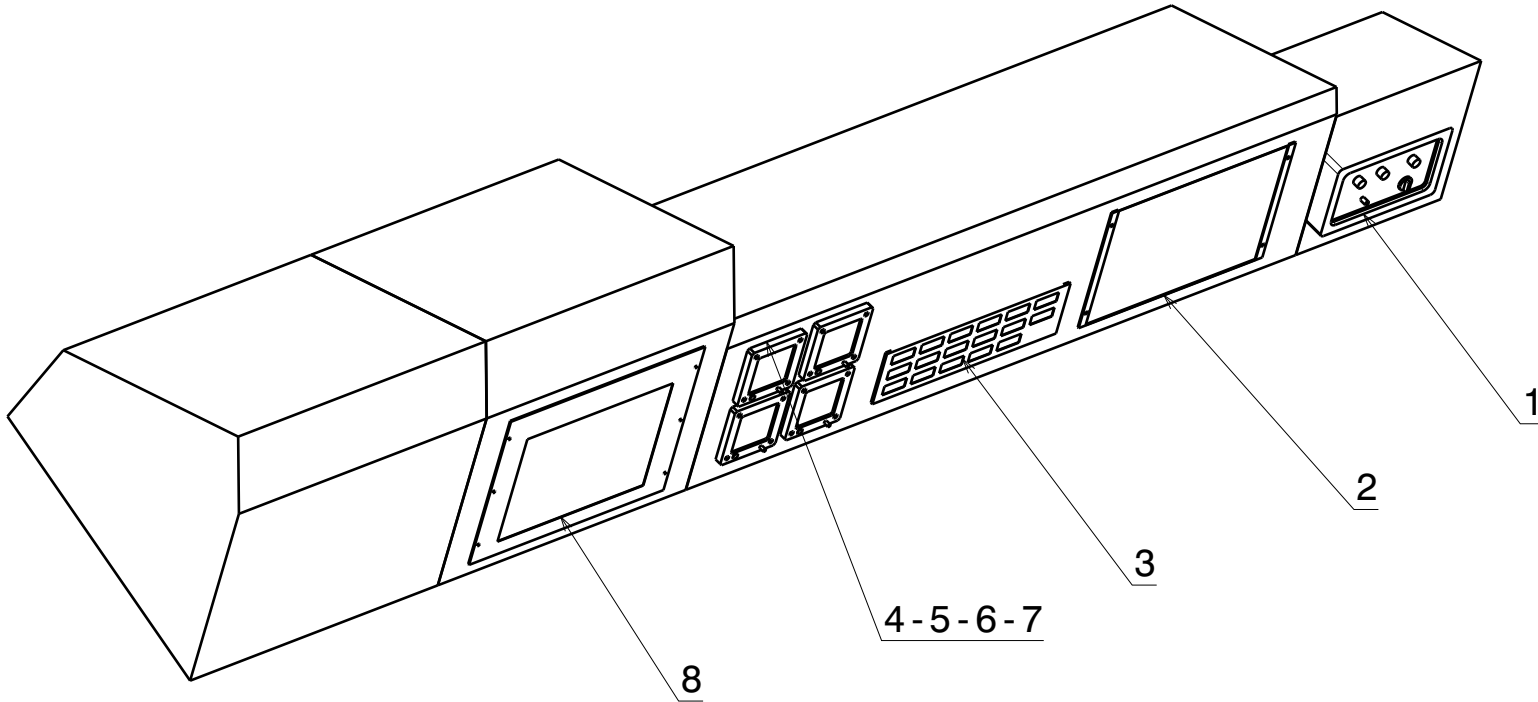
CEILING PANEL-03



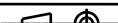
No	Description	Subsystem	Quantity
1	Lanzador Decoy Launcher for Torpedos	CEILING PANEL-03	1
2	SPS119C Control Unit	CEILING PANEL-03	1
3	Signal Cover Torpedo Pipes	CEILING PANEL-03	1
4	Nixie Control Unit / Transmitter Set	CEILING PANEL-03	1

Unless otherwise specified, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr	
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)		
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV	: X0
	Privacy Degree: COMMERCIALY SECRET	PAGE	: 24/25

CEILING PANEL-04



No	Description	Subsystem	Quantity
1	SSM EXOCET ITL 70A	CEILING PANEL-04	1
2	HCDR- SATCOM Contol Panel	CEILING PANEL-04	1
3	RADAR Status And Control Panel	CEILING PANEL-04	1
4	Analog Heading Repeater	CEILING PANEL-04	1
5	Analog Speed Indicator	CEILING PANEL-04	1
6	Analog Wind Direction Indicator	CEILING PANEL-04	1
7	Analog Wind Speed Indicator	CEILING PANEL-04	1
8	IPMS Video Screen	CEILING PANEL-04	1

Unless otherwise specifed, the scale is in mm	CAGECODE: T0806	 www.havelsan.com.tr
TOLERANCE	ALMIRANTE RIVEROS (F18) DOCUMENT NAME: CIC LAYOUT PLAN (DRAFT)	
SCALE	DRAWING NO: HVL-CL-MDL-CIC-1000	REV : X0
	Privacy Degree: COMMERCIALY SECRET	PAGE : 25/25