

TOP VIEW

FRONT VIEW

BOX CONNECTION

FRONT PLATE PILOT

BOX CONNECTION

RIGHT VIEW

REFERENCE DRAWINGS

FLARE DATASHEET : BRINVEETBPGA20320

PARTS LIST

ITEM	QTY	DESCRIPTION	MATERIAL
1	1	PILOT WINDPROOF FLAME FRONT + INSTAFIRE	ASTM A240 310S + A310 TP310S
2	1	MIXER	ASTM A351 CF3M
3	1	MIXER PROTECTION	ASTM A743 CF8M
4	1	STRAINER TYPE "Y"	316
5	2	THERMOCOUPLE TYPE K 6 mm (2 DUPLEX PER PILOT)	Ni-Cr / Ni-Al
6	2	GUIDE FOOT	ASTM A240 310S
7	1	SKEC BURNER (SEE DRAWING 600.01 Sht7)	STAINLESS STEEL
8	1	PILOT BOX VERSION	STAINLESS STEEL
9	1	GUIDE BRACKET	STAINLESS STEEL

NOZZLE LEGEND

ITEM	QTY	DESCRIPTION	
N1	1	PILOT IGNITION CONNECTION 1" RFSW 150# ASME B16.5 SCH.40	ASTM A182 F316L
N2	1	PILOT GAS CONNECTION 3/4" RFSW 150# ASME B16.5 SCH.40	ASTM A182 F316L
N3	1	PILOT BOX CONNECTION WITH FRONT PLATE	ASTM A240 316L

NOTES

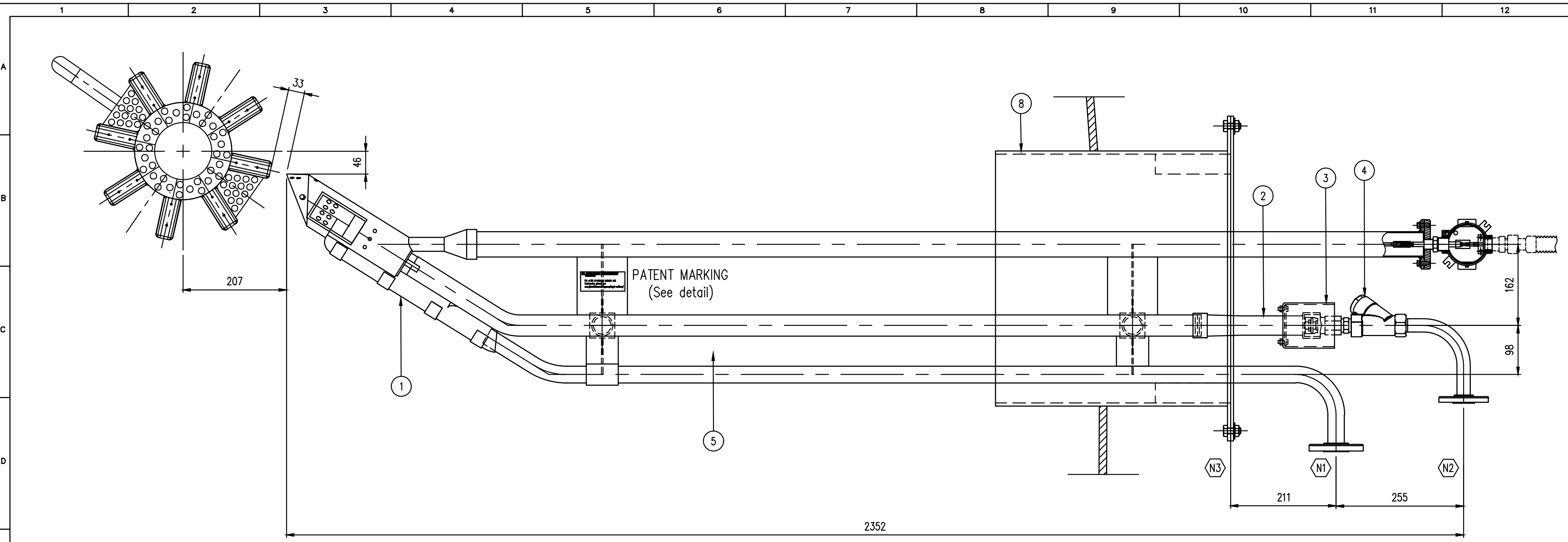
1. DIMENSIONS ARE IN MILLIMETERS
2. PILOT MIXER ORIFICE DRILLED : SET Ø1.1 + Ø1.3 + Ø1.4 mm
3. APPROXIMATE WEIGHT PILOT + FRONT PLATE : 55 kg
4. ALL WELDING PER ASME IX
5. FOR PROPER OPERATION ANY LOW POINTS IN THE IGNITION PIPING FROM THE FLAME FRONT GENERATOR TO THE PILOTS SHOULD HAVE PROVISIONS FOR DRAINING
6. JOHN ZINK INTERNATIONAL LUXEMBOURG SARL RECOMMENDS ADDITIONAL STRAINERS IN THE PILOT GAS SUPPLY PIPING BE INSTALLED AT GRADE
7. QUANTITY : 8 SHORT PILOTS + 1 SPARE PILOT

**JOHN ZINK HAMWORTHY**  
COMBUSTION

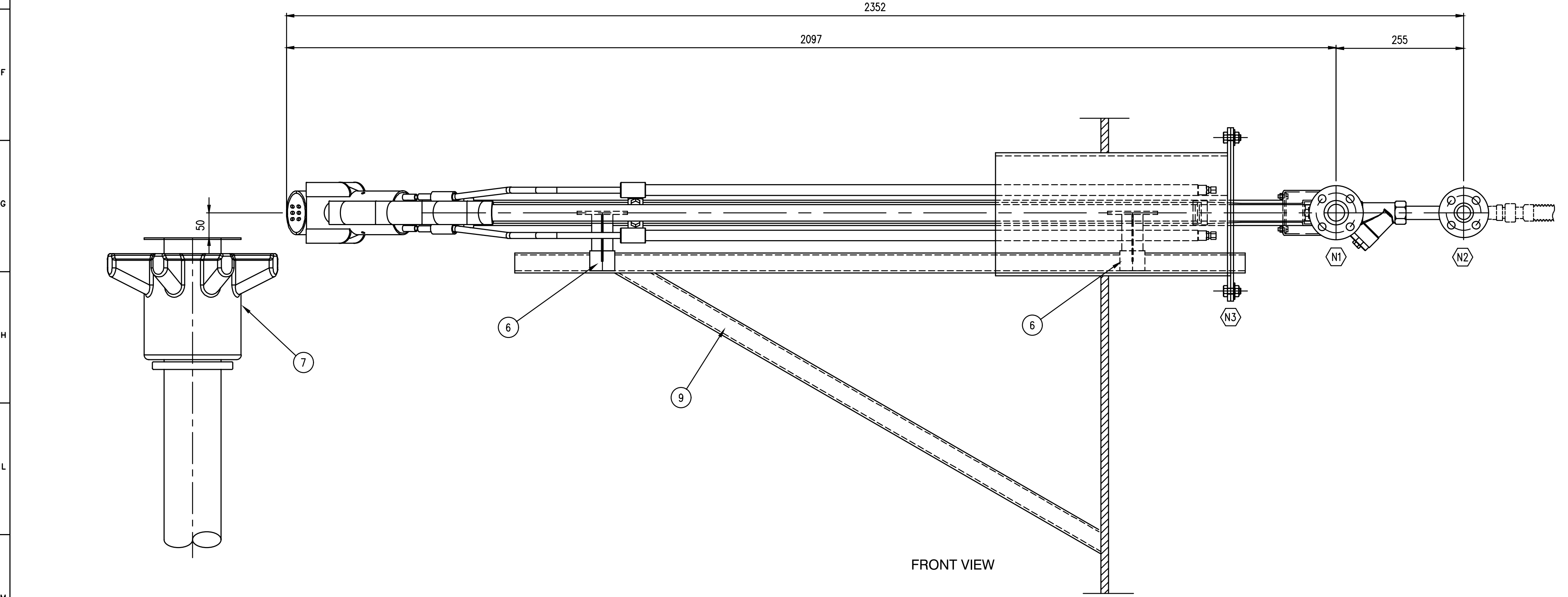
For a list of relevant patents and trademarks, please see  
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PATENT MARKING

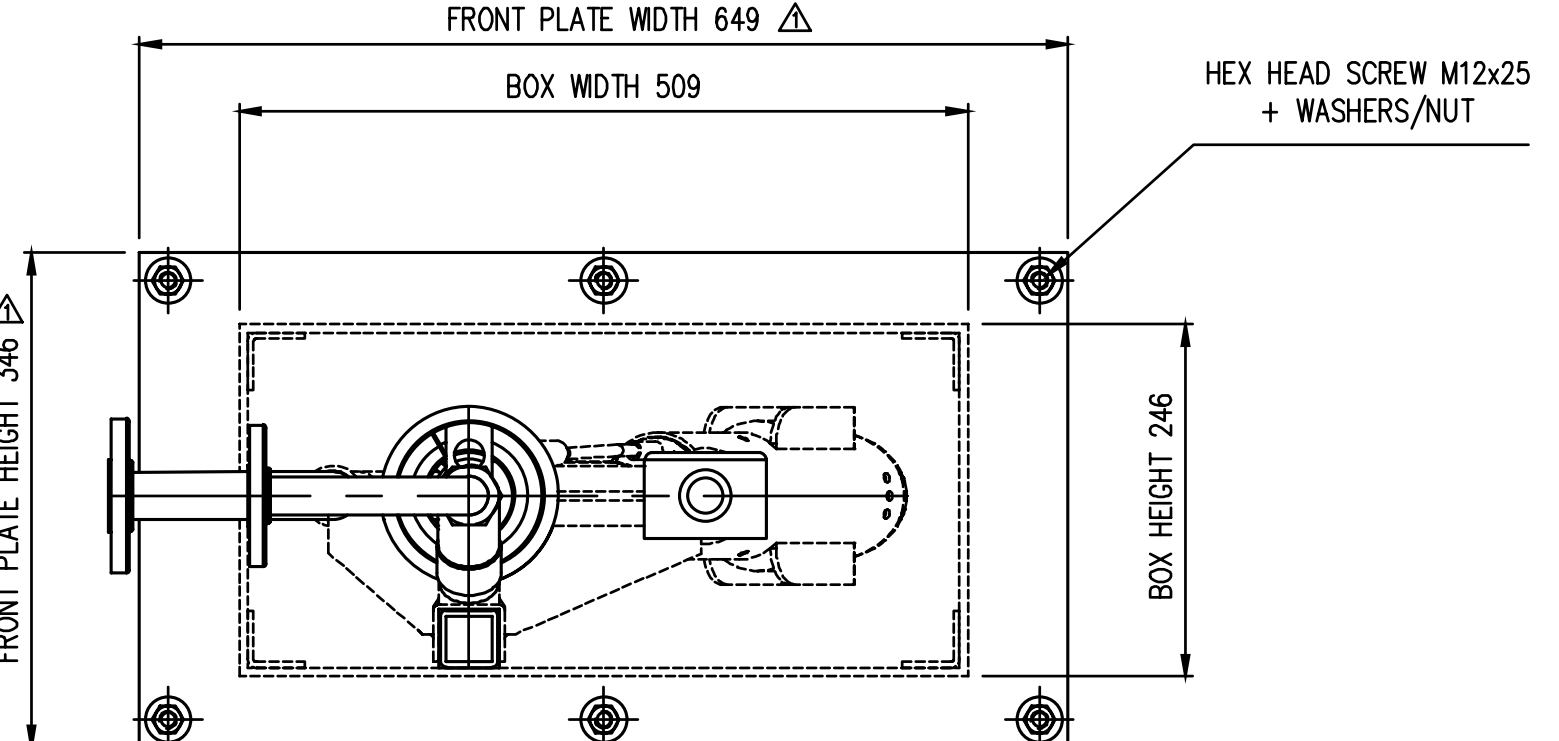
1	PILOT DESIGN UPDATED	S.K.	A.C.	A.Z.	01.04.2020
0	ISSUE FOR APPROVAL	S.K.	C.R.	S.T.	24.09.2019
N°	REVISION DESCRIPTION	BY	CHKD.	APPR.	DATE
FOR PARTS AND SERVICE: • TEL: (+352)51.89.91 • FAX: (+352)51.86.11 • E-MAIL: INFO@JOHNZINK.COM					
FOR A LIST OF RELEVANT PATENTS AND TRADEMARKS, PLEASE SEE JOHNZINK.COM/LEGAL-NOTICES					
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FOR: ENI		<b>JOHN ZINK HAMWORTHY</b> COMBUSTION JOHN ZINK INTERNATIONAL LUXEMBOURG S.à.r.l.			
USER:		GENERAL ARRANGEMENT			
JOB SITE:		FOR			
P.O. N°:		SHORT PILOT			
DRAWN: S.K.	DATE: 24.09.2019	SIZE: A1	DRAWING NUMBER:		REV.:
CHKD.: C.R.	DATE: 24.09.2019	SCALE: 1/5	MFLP00519-600.01 Sht1		1
APPR.: S.T.	DATE: 24.09.2019	THIRD ANGLE			
EX-DE 01	01/04/2020	PILOT design updated	S.K.	A.C.	A.Z.
EX-DE 00	25/09/2019	Issued for Comment	S.K.	C.R.	S.T.
Validity Status	Revision Number	Date	Description	Vendor Approved	Contractor Verified
Index Revision				Contractor Approved	Company Checked
Company Logo and Business Name			Project Name		
eni S.p.A.			VERSALIS BRINDISI Nuova Torcia a Terra		
Contractor Logo and Business Name			Contractor Document ID:		
progetti			Job N. 655A4021		
Vendor Logo and Business Name			Vendor Document ID:		
JOHN ZINK HAMWORTHY COMBUSTION			1789-210-R1		
John Zink Hamworthy Combustion S.r.l.			Contract N. 3500047624		
Facility and Sub Facility Name			Scale		
BRINVEETDAB20310_EXDE00			1/5		
Document Title			Superseded N.		
GENERAL ARRANGEMENT - SHORT PILOT			Superseded by N.		
			Plant Area		
			PIGR		
			Unit		
			91		



TOP VIEW



FRONT VIEW



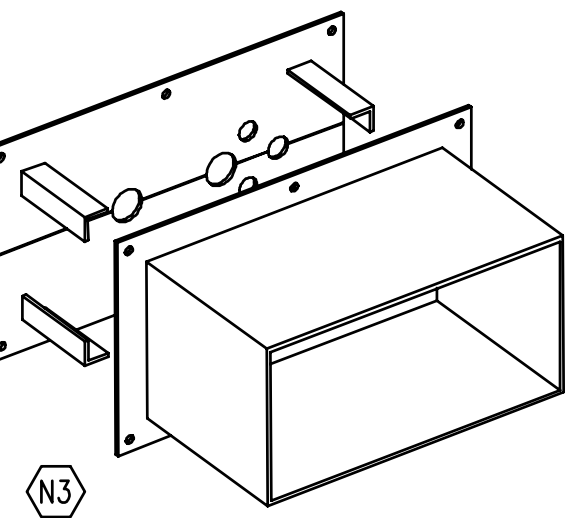
RIGHT VIEW

**JOHN ZINK HAMWORTHY COMBUSTION**

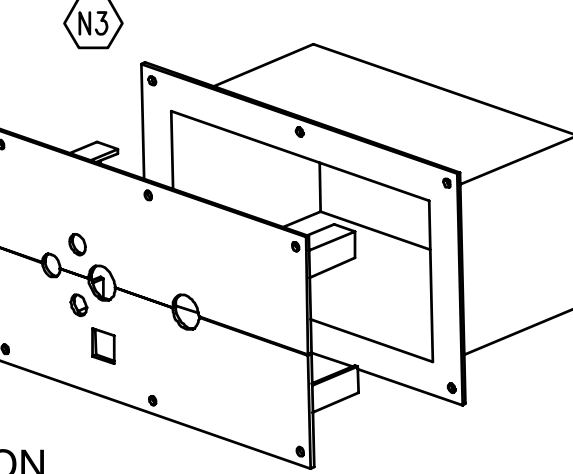
For a list of relevant patents and trademarks, please see [www.johnzinkhamworthy.com/legal-notices/](http://www.johnzinkhamworthy.com/legal-notices/)

PATENT MARKING

BOX CONNECTION



FRONT PLATE PILOT



BOX CONNECTION

REFERENCE DRAWINGS		
FLARE DATASHEET : BRINVEETBPGA20320		
PARTS LIST		
ITEM	QTY	DESCRIPTION
1	1	PILOT WINDPROOF FLAME FRONT + INSTAFIRE
2	1	MIXER
3	1	MIXER PROTECTION
4	1	STRAINER TYPE "Y"
5	2	THERMOCOUPLE TYPE K 6 mm (2 DUPLEX PER PILOT)
6	2	FOOT
7	1	SKEC BURNER (SEE DRAWING 600.01 Sh17)
8	1	PILOT BOX
9	1	GUIDE BRACKET
MATERIAL		
		ASTM A240 310S + A310 TP310S
		ASTM A351 CF3M
		ASTM A743 CF8M
		316
		Ni-Cr / Ni-Al
		ASTM A240 310S
		STAINLESS STEEL
		STAINLESS STEEL
NOZZLE LEGEND		
ITEM	QTY	DESCRIPTION
N1	1	PILOT IGNITION CONNECTION 1" RFSW 150# ASME B16.5 SCH.40
N2	1	PILOT GAS CONNECTION 3/4" RFSW 150# ASME B16.5 SCH.40
N3	1	PILOT BOX CONNECTION WITH FRONT PLATE
NOTES		
1. DIMENSIONS ARE IN MILLIMETERS		
2. PILOT MIXER ORIFICE DRILLED : SET Ø1.1 + Ø1.3 + Ø1.4 mm		
3. APPROXIMATE WEIGHT : 65 kg		
4. ALL WELDING PER ASME IX		
5. FOR PROPER OPERATION ANY LOW POINTS IN THE IGNITION PIPING FROM THE FLAME FRONT GENERATOR TO THE PILOTS SHOULD HAVE PROVISIONS FOR DRAINING		
6. JOHN ZINK INTERNATIONAL LUXEMBOURG SARL RECOMMENDS ADDITIONAL STRAINERS IN THE PILOT GAS SUPPLY PIPING BE INSTALLED AT GRADE		
7. QUANTITY : 6 SHORT PILOTS + 1 SPARE PILOT		

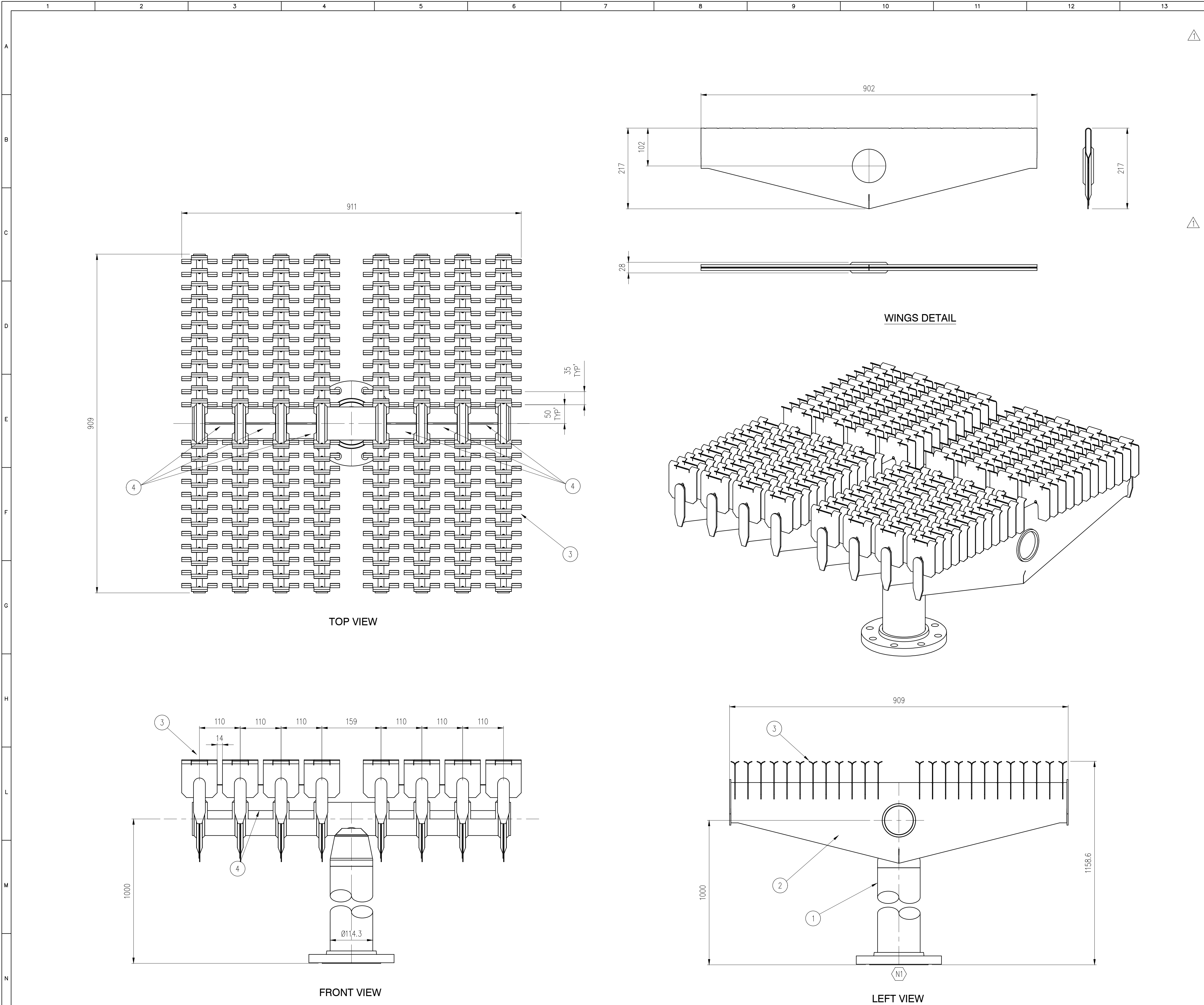
1	PILOT DESIGN UPDATED	S.K.	A.C.	A.Z.	01.04.2020
0	ISSUE FOR APPROVAL	S.K.	C.R.	S.T.	24.09.2019
N°	REVISION DESCRIPTION	BY	CHKD.	APPR.	DATE
FOR PARTS AND SERVICE: • TEL: (+352)51.88.91 • FAX: (+352)51.88.11 • E-MAIL: INFO@JOHNZINK.COM					
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FOR: ENI		<b>JOHN ZINK HAMWORTHY COMBUSTION</b> JOHN ZINK INTERNATIONAL LUXEMBOURG S.à.r.l.			
USER:					
JOB SITE:		GENERAL ARRANGEMENT			
		FOR			
P.O. N°:		LONG PILOT			
DRAWN: S.K.	DATE: 24.09.2019	SIZE: A1	DRAWING NUMBER:		REV.:
CHKD.: C.R.	DATE: 24.09.2019	SCALE: 1/5	MFLP00519-600.01 Sht2		1
APPR.: S.T.	DATE: 24.09.2019	THRD ANGLE			
EX-DE	01	01/04/2020	Pilot design updated	S.K.	A.C.
EX-DE	00	25/09/2019	Issued for Comment	S.K.	C.R.
Validity	Revision	Date	Description	Vendor Approved	Contractor Verified
Status	Number			Contractor Approved	Company Checked
Index	Revision			Contractor Approved	Company Approved
Company Logo and Business Name		Project Name		Company Document ID:	
eni S.p.A.		VERSALIS BRINDISI Nuova Torcia a Terra		BRINVEETDMA20440	
Contractor Logo and Business Name				Contractor Document ID:	
progetti					
Vendor Logo and Business Name		Vendor Document ID:			
JOHN ZINK HAMWORTHY COMBUSTION		1789-210-R1			
John Zink Hamworthy Combustion S.r.l.		Contract N. 350047624			
Facility and Sub Facility Name		Scale		Sheet of Sheets	
BRIN - P1CR		1/5		2/5	
Document Title		Superseded N.			
GENERAL ARRANGEMENT - LONG PILOT		Superseded by N.			
		Plant Area		Unit	
		P1CR		91	











14		15		16		17	
REFERENCE DRAWINGS							
FLARE DATASHEET : BRINVEETBPGA20320							
PARTS LIST							
ITEM	QTY	DESCRIPTION				MATERIAL	
1	1	MAIN FEEDER ASSEMBLY				ASTM A312/A240 TP310S	
2	8	GAS FEEDER ASSEMBLY (WINGS)				ASTM A312 TP310S	
3	192	FIN PLATE				ASTM A240 310S	
4	7	DEFLECTOR PLATE				ASTM A240 310S	
NOZZLE LEGEND							
ITEM	QTY	DESCRIPTION					
1	1	MAIN FLANGE CONNECTION		4" RF SO 150# ASME B16.5		ASTM A182 F310	
NOTES							
1. DIMENSIONS ARE IN MILLIMETERS							
2. APPROXIMATE WEIGHT : 63 kg							
3. ALL WELDING PER ASME IX							
4. QUANTITY : 130 FINPLATE BURNERS							