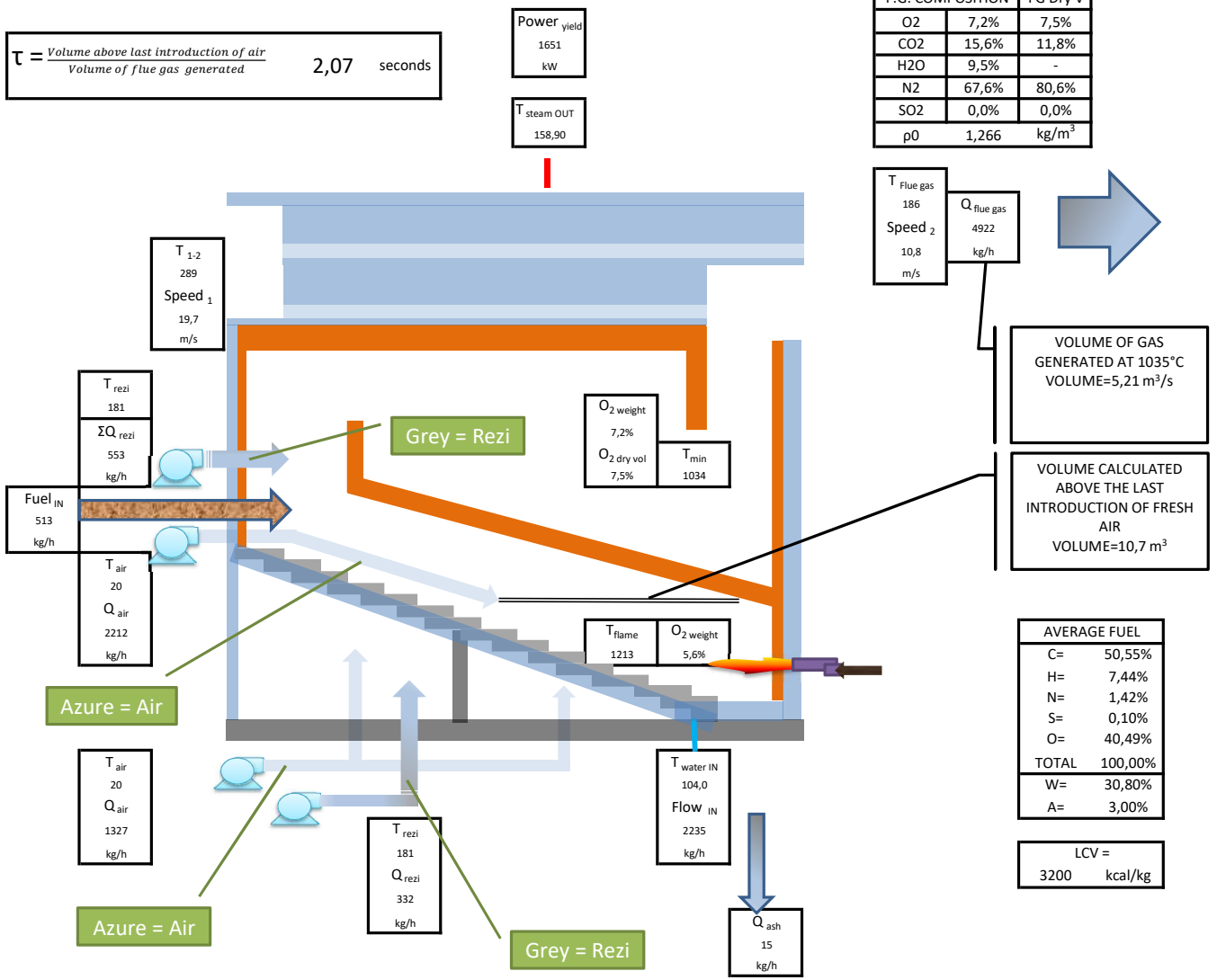
SCHEMATIC FOR RESIDENT TIME CALCULATION

PROJECT	
Name:	Besblock
Country:	UK
Emitted	Checked
23/06/2020	23/06/2020

$$\tau = \frac{\text{Volume above last introduction of air}}{\text{Volume of flue gas generated}} \quad 2{,}07 \text{ seconds}$$

F.G. COMPOSITION		FG Dry V
O2	7,2%	7,5%
CO2	15,6%	11,8%
H2O	9,5%	-
N2	67,6%	80,6%
SO2	0,0%	0,0%
ρ0	1,266	kg/m³



VOLUME OF GAS GENERATED AT 1035°C
VOLUME=5,21 m³/s

VOLUME CALCULATED ABOVE THE LAST INTRODUCTION OF FRESH AIR
VOLUME=10,7 m³

AVERAGE FUEL	
C=	50,55%
H=	7,44%
N=	1,42%
S=	0,10%
O=	40,49%
TOTAL	100,00%
W=	30,80%
A=	3,00%

LCV =	
3200	kcal/kg