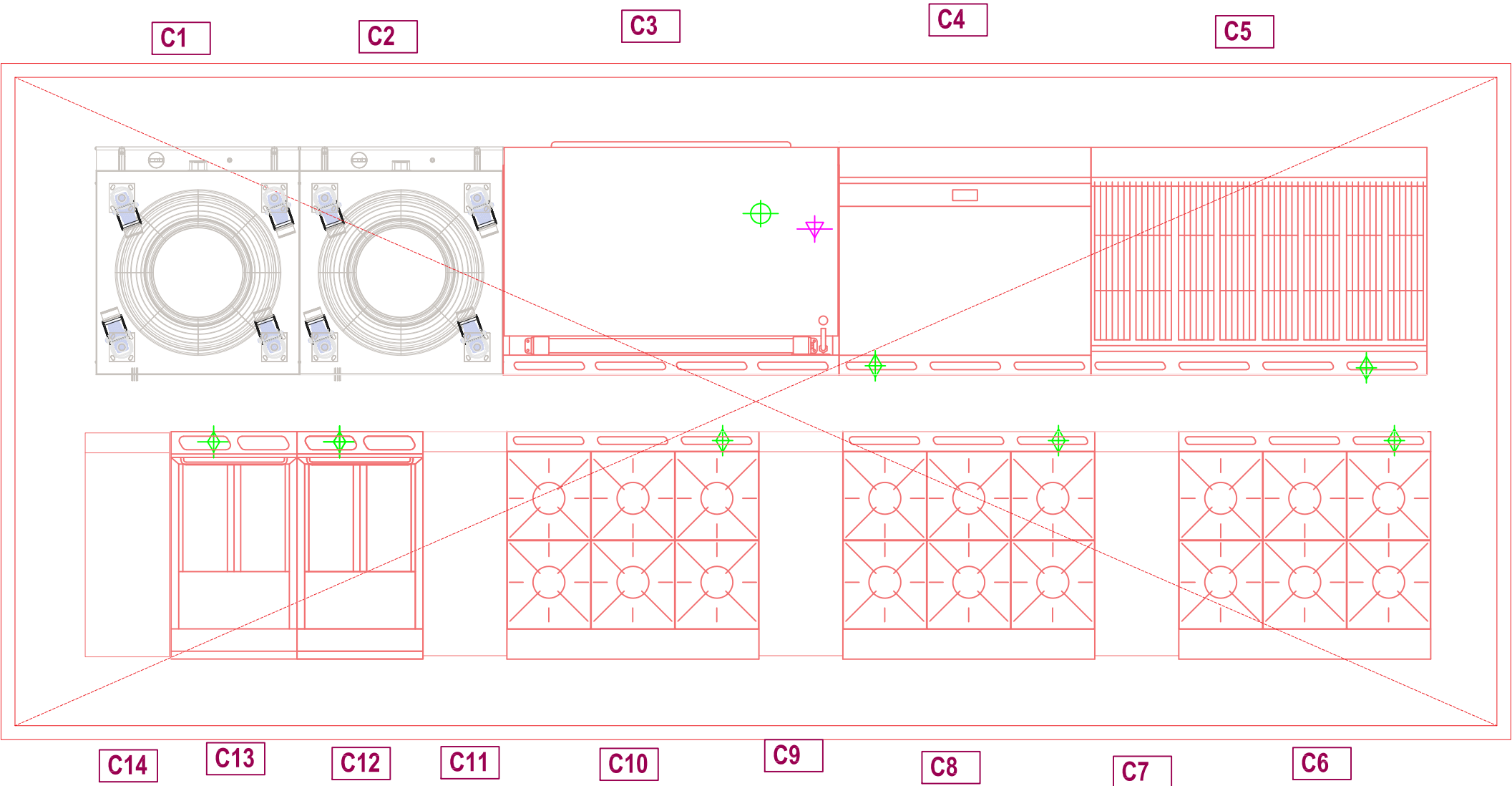




PROPOSED KITCHEN EQUIPMENT

- C1TANDORI
- C2TANDORI
- C3SOLID TOP 1200MM
- C4FLAT GRIDDLE 900MM
- C5CHARGRILL 1200MM
- C66 BURNER RANGE OVEN
- C7INFILL TABLE
- C86 BURNER RANGE OVEN
- C9INFILL TABLE
- C106 BURNER RANGE OVEN
- C11INFILL TABLE
- C12DOUBLE DEEP FRYER
- C13DOUBLE DEEP FRYER
- C14INFILL TABLE

Specific Extract Flow Rate Calculation Sheet

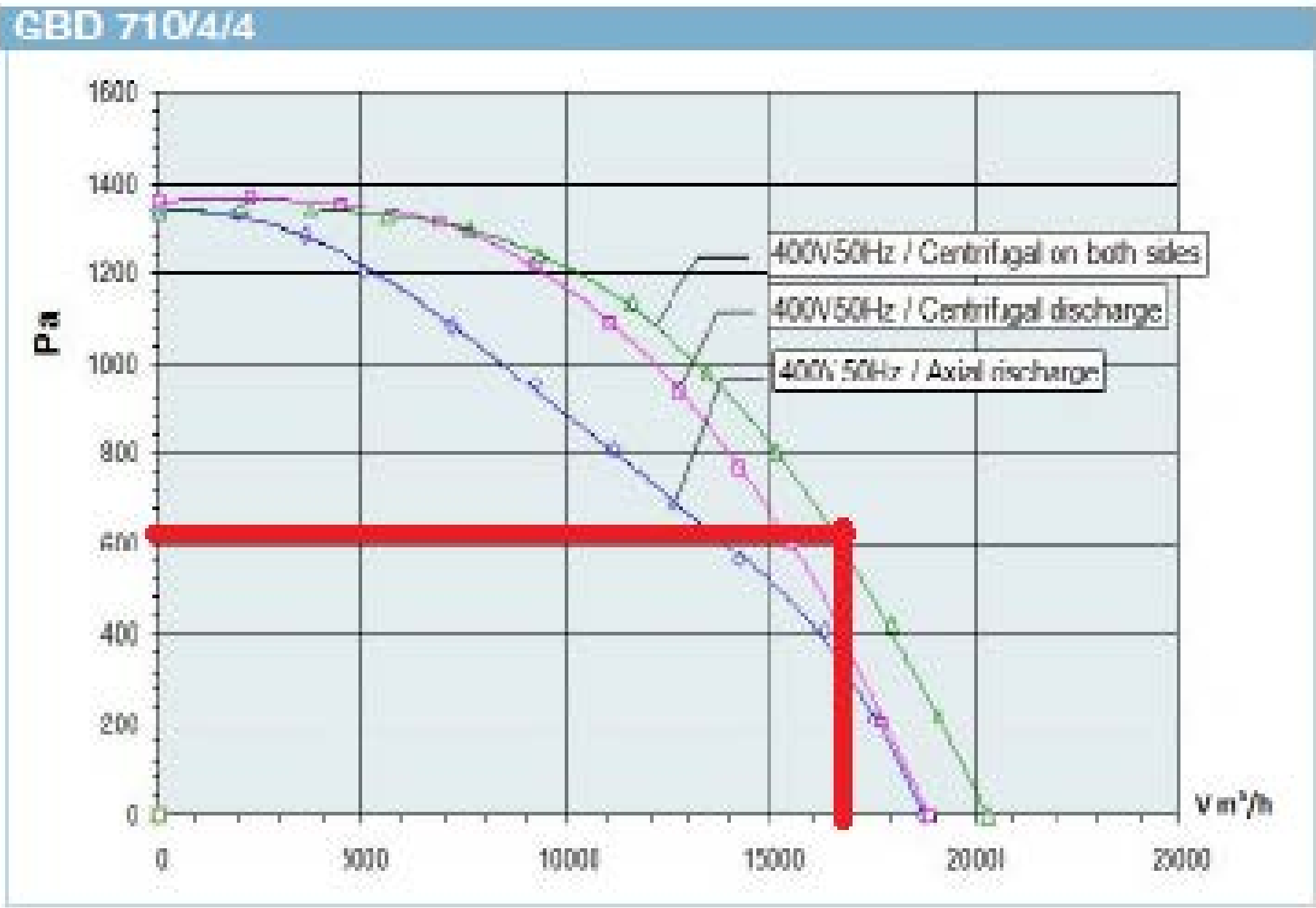
based on the THERMAL CONVECTION METHOD as recommended in HVCA Specification DW172

Contract: 20 Portman Road	
Job Number: G8446	
Date:01/09/2023	
Area;Reading	

Cooking Equipment	Power	Plan Size		Area (m ²)	TCC (m ³ /s/m ²)	Flow Rate (m ³ /s)
		X(m)	Y(m)			
Tandoori Oven, Gas	Gas	0.80	0.80	0.64	0.35	0.22
Tandoori Oven, Gas	Gas	0.80	0.80	0.64	0.35	0.22
Heavy Duty Bratt Pan, Gas	Gas	1.20	0.75	0.90	0.55	0.50
Griddle (chrome), Gas	Gas	0.90	0.75	0.68	0.45	0.30
Chargrill/Charbroiler, Gas	Gas	1.20	0.75	0.90	0.95	0.86
Open Top Range and Oven, Gas	Gas	0.65	0.65	0.42	0.35	0.15
Open Top Range and Oven, Gas	Gas	0.65	0.65	0.42	0.35	0.15
Open Top Range and Oven, Gas	Gas	0.65	0.65	0.42	0.35	0.15
Low/Med Duty Deep Fat Fryer, Gas	Gas	0.45	0.75	0.34	0.45	0.15
Low/Med Duty Deep Fat Fryer, Gas	Gas	0.45	0.75	0.34	0.45	0.15
-						
-						
-						
-						
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-						

X Factor for Canopy / Ceiling Type:	Theoretical Flow Rate (m ³ /s)	2.85 m ³ /s
	13. Island Type (open both ends)	1.35
	Specific Extract Flow Rate	3.846 m ³ /s
	Make-up-Air Ratio	85%
	Make-up-Air Flow Rate (m ³ /s)	3.27 m ³ /s

PROPOSED KITCHEN EQUIPMENT Q FLOW CALCULATION



PROPOSED EXTRACT FAN CAPACITY

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REV

DATE

DESCRIPTION

GOYA WORKS

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Email:mail@goyaworks.co.uk
www.goyaworks.co.uk

CLIENT

20 PORTMAN ROAD

PROJECT TITLE

PROPOSED KITCHEN EQUIPMENT
LAYOUT

DRAWING TITLE

PROPOSED KITCHEN
EQUIPMENT LAYOUT

DRAWN

CHECKED

DATE

SCALE

GK

28/08/23

1:20 @A1

DRAWING NUMBER

DR-10110-003

REVISION

0

DRAWING STATUS

FOR DISCUSSION