



### NATURAL VENTILATION CALCULATIONS

UNIT	TOTAL AREA	REQUIRED 5% NATURAL LIGHTING	PROVIDED NATURAL LIGHTING
UNIT 08	200.61m <sup>2</sup>	10.03m <sup>2</sup>	14.1m <sup>2</sup>
UNIT 09	224.86m <sup>2</sup>	11.2m <sup>2</sup>	14.1m <sup>2</sup>
UNIT 10	222.10m <sup>2</sup>	11.10m <sup>2</sup>	14.1m <sup>2</sup>
UNIT 11	221.46m <sup>2</sup>	11.07m <sup>2</sup>	14.1m <sup>2</sup>
UNIT 12	221.37m <sup>2</sup>	11.06m <sup>2</sup>	14.1m <sup>2</sup>
UNIT 13	221.46m <sup>2</sup>	11.07m <sup>2</sup>	14.1m <sup>2</sup>
UNIT 14	224.84m <sup>2</sup>	11.3m <sup>2</sup>	14.1m <sup>2</sup>
UNIT 15	224.85m <sup>2</sup>	11.3m <sup>2</sup>	14.1m <sup>2</sup>
UNIT 25	74.41m <sup>2</sup>	3.72m <sup>2</sup>	13.86m <sup>2</sup>
UNIT 26	98.51m <sup>2</sup>	4.93m <sup>2</sup>	13.86m <sup>2</sup>
UNIT 27	95.21m <sup>2</sup>	4.8m <sup>2</sup>	13.86m <sup>2</sup>
UNIT 28	102.59m <sup>2</sup>	5.13m <sup>2</sup>	13.86m <sup>2</sup>
UNIT 29	153.89m <sup>2</sup>	7.7m <sup>2</sup>	13.86m <sup>2</sup>

NOTE : TOTAL AREA CALCULATION INCLUDES GROUND STOREY & MEZZANINE

### NATURAL LIGHTING CALCULATIONS

UNIT	TOTAL AREA	REQUIRED 10% NATURAL LIGHTING	PROVIDED NATURAL LIGHTING
UNIT 08	200.61m <sup>2</sup>	20.06m <sup>2</sup>	32.86m <sup>2</sup>
UNIT 09	224.86m <sup>2</sup>	22.5m <sup>2</sup>	32.86m <sup>2</sup>
UNIT 10	222.10m <sup>2</sup>	22.21m <sup>2</sup>	32.86m <sup>2</sup>
UNIT 11	221.46m <sup>2</sup>	22.14m <sup>2</sup>	32.86m <sup>2</sup>
UNIT 12	221.37m <sup>2</sup>	22.14m <sup>2</sup>	32.86m <sup>2</sup>
UNIT 13	221.46m <sup>2</sup>	22.15m <sup>2</sup>	32.86m <sup>2</sup>
UNIT 14	224.84m <sup>2</sup>	22.5m <sup>2</sup>	32.86m <sup>2</sup>
UNIT 15	224.85m <sup>2</sup>	22.5m <sup>2</sup>	32.86m <sup>2</sup>
UNIT 25	74.41m <sup>2</sup>	7.44m <sup>2</sup>	32.04m <sup>2</sup>
UNIT 26	98.51m <sup>2</sup>	9.85m <sup>2</sup>	32.8m <sup>2</sup>
UNIT 27	95.21m <sup>2</sup>	9.52m <sup>2</sup>	32.8m <sup>2</sup>
UNIT 28	102.59m <sup>2</sup>	10.26m <sup>2</sup>	32.8m <sup>2</sup>
UNIT 29	153.89m <sup>2</sup>	15.4m <sup>2</sup>	32.8m <sup>2</sup>

NOTE : TOTAL AREA CALCULATION INCLUDES GROUND STOREY & MEZZANINE

PROVIDED NATURAL LIGHTING CALCULATIONS FOR UNITS 08 - 15  
 AREA OF ROLLER SHUTTER DOOR = 12m<sup>2</sup>  
 AREA OF SHOPFRONT = 7.6m<sup>2</sup>  
 AREA OF TRANSLUCENT SHEETING = 13.2m<sup>2</sup>  
 TOTAL = 32.8m<sup>2</sup>

PROVIDED NATURAL LIGHTING CALCULATIONS FOR UNITS 25-29  
 AREA OF ROLLER SHUTTER DOOR = 12m<sup>2</sup>  
 AREA OF GLAZED DOOR = 1.86m<sup>2</sup>  
 AREA OF TRANSLUCENT ROOF SHEETING = 18.18m<sup>2</sup> (9.09m<sup>2</sup> / SHEET)  
 TOTAL = 32.04m<sup>2</sup>

PROVIDED NATURAL LIGHTING CALCULATIONS FOR UNIT 25  
 AREA OF ROLLER SHUTTER DOOR = 12m<sup>2</sup>  
 AREA OF GLAZED DOOR = 1.86m<sup>2</sup>  
 AREA OF TRANSLUCENT ROOF SHEETING = 9.09m<sup>2</sup>  
 TOTAL = 23.75m<sup>2</sup>

NR.	DATE	DRAWN BY	DESCRIPTION

OWNERS SIGNATURE: *[Signature]*  
 ARCHITECTS SIGNATURE: *[Signature]*  
 SACAP NO: 7731

ARCHIBAM (Pty) Ltd  
 PROFESSIONAL ARCHITECTS  
 DESIGN EXCELLENCE INSPIRED BY YOU  
 P 031 205 6185 M 083 32 09058 E studio@archibam.co.za  
 The Studio, 242 Evans Road, Glenwood, 4001

Company reg no: 2009/059488/07 Practice no: PA 0918  
 A-B BEEBEE Level 1 contributor - 135% Procurement recognition

CLIENT: THE TAYOB FAMILY TRUST

PROJECT: PROPOSED ALTERATIONS & ADDITIONS TO FACTORY UNITS ON PORTION 02 OF ERF 29, AMANZIMNYAMA HILL, 32 OLD MILL ROAD TONGAAT

DRAWING: ELEVATIONS / SECTIONS

SCALE	DRAWN	CHECKED	DATE
1 : 100	AB	AB	2022/11/08

PROJECT NO.	DRAWING NO.	REVISION
2021008	104	0