ELECTRICAL SIMBOLS

- 20 amp PLUG
- DOUBLE 20 amp PLUG
- STOVE PLUG
- CEILING LED LIGHT (2 x 8W)
- PENDANT (8Wx2) CEILING LIGHT
- LED 8 W WALL LIGHT
- ONE WAY LIGHT SWITCH
- TWO WAY LIGHT SWITCH
- DISTRIBUTION BOARD
- FLOURESCENT LIGHT LED 36W
- CEILING FAN

FIRE SIGNS

- EMERGENCY ESCAPE ROUTE.
- GENERAL DIRECTION.
- DIRECTION TO EMERGENCY ESCAPE ROUTE.
- FIRE EXTINGUISHER.
- FIRE HOSE.
- EXIT SIGN.
- EMERGENCY ASSEMBLY POINT

AREA

NEW BUILDING	128m²
ERF AREA	3567m²
COVERAGE	$^{128}/_{3567}$ = 3.5% < 50%

ROOF ASSEMBLY

MINIMUM R-VALUE (m²K/W) FOR CLIMATE ZONE 4 = 3,7 WITH UPWARD HEAT FLOW.

THIS ROOF@ 20° PITCH ASSEMBLY WITH SLOPING ISOBOARD CEILING INBETWEEN TRUSSES

	R - value
COLORBOND SHEETING	0.00
OUTDOOR AIR FILM	0.03
INDOOR AIR FILM (STILL AIR)	0.11
ROOF SPACE	0.16
135mm AEROLITE NSULATION	3.38
6mm RHINO BOARD CEILING	0.06
TOTAL R-VALUE m²K/W	3.74

THE ROOF DESIGN 3,74m²K/W EXCEEDS OR EQUALS THE MINIMUM R-VALUE REQUIRED (3,7m²K/W), THUS COMPLIES.

LIGHTING - ENERGY USAGE

ENERGY DEMAND: ALLOWED 5W/m² - 4W/ 106.81 = 427.21W
(5x2x8W) + (5x36W) = 260W < 427W

CONSUMPTION:

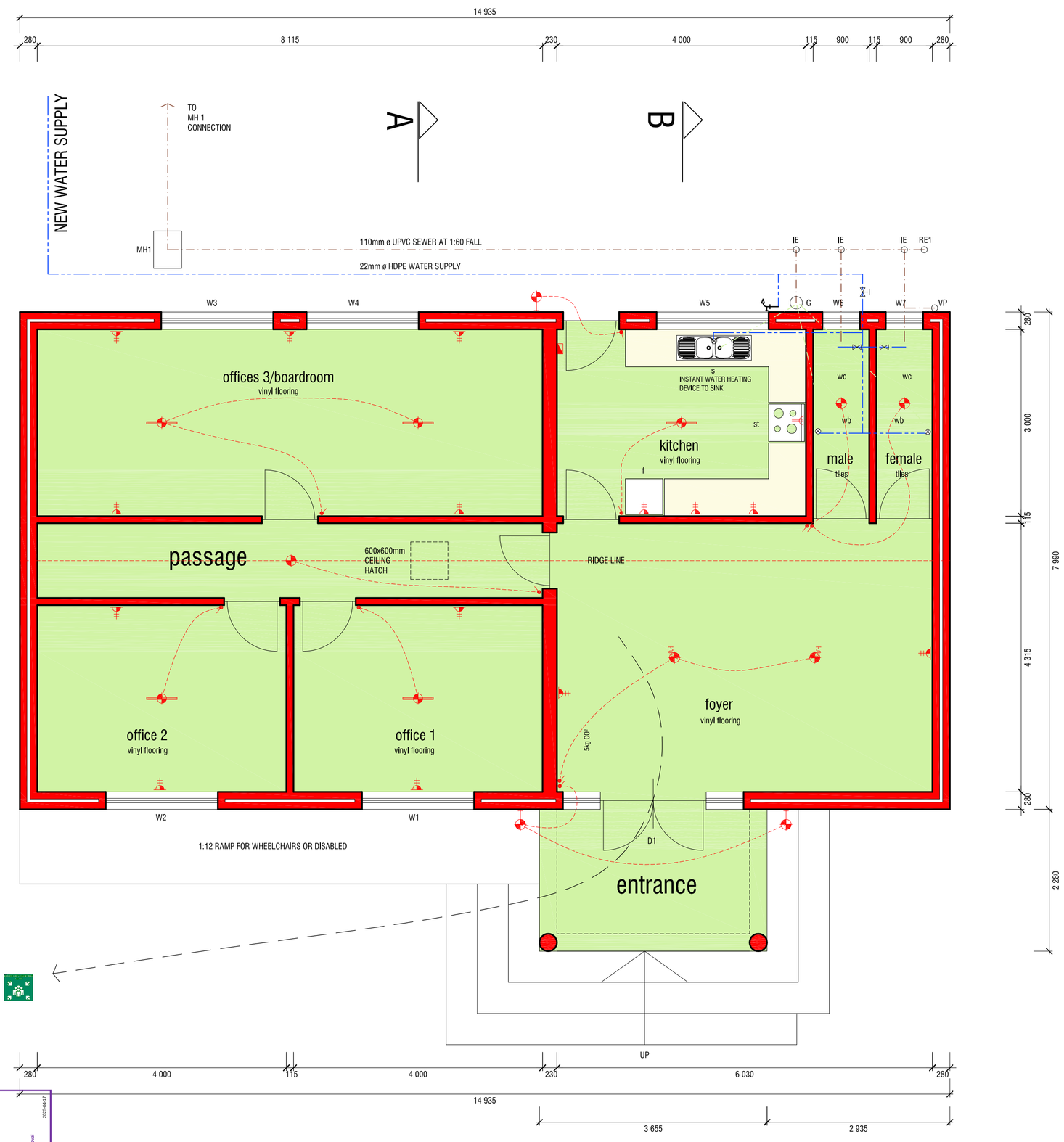
ALLOWED 4 kWh.a or 4 Wh/m² - 4 kWh/m².a = 106.81 x 4
= 427.21 kWh.a

ASSUME LIGHTS ON 18:00 - 22:00 HOURS ON 7 DAYS/WEEK; THAT IS 4h/DAY

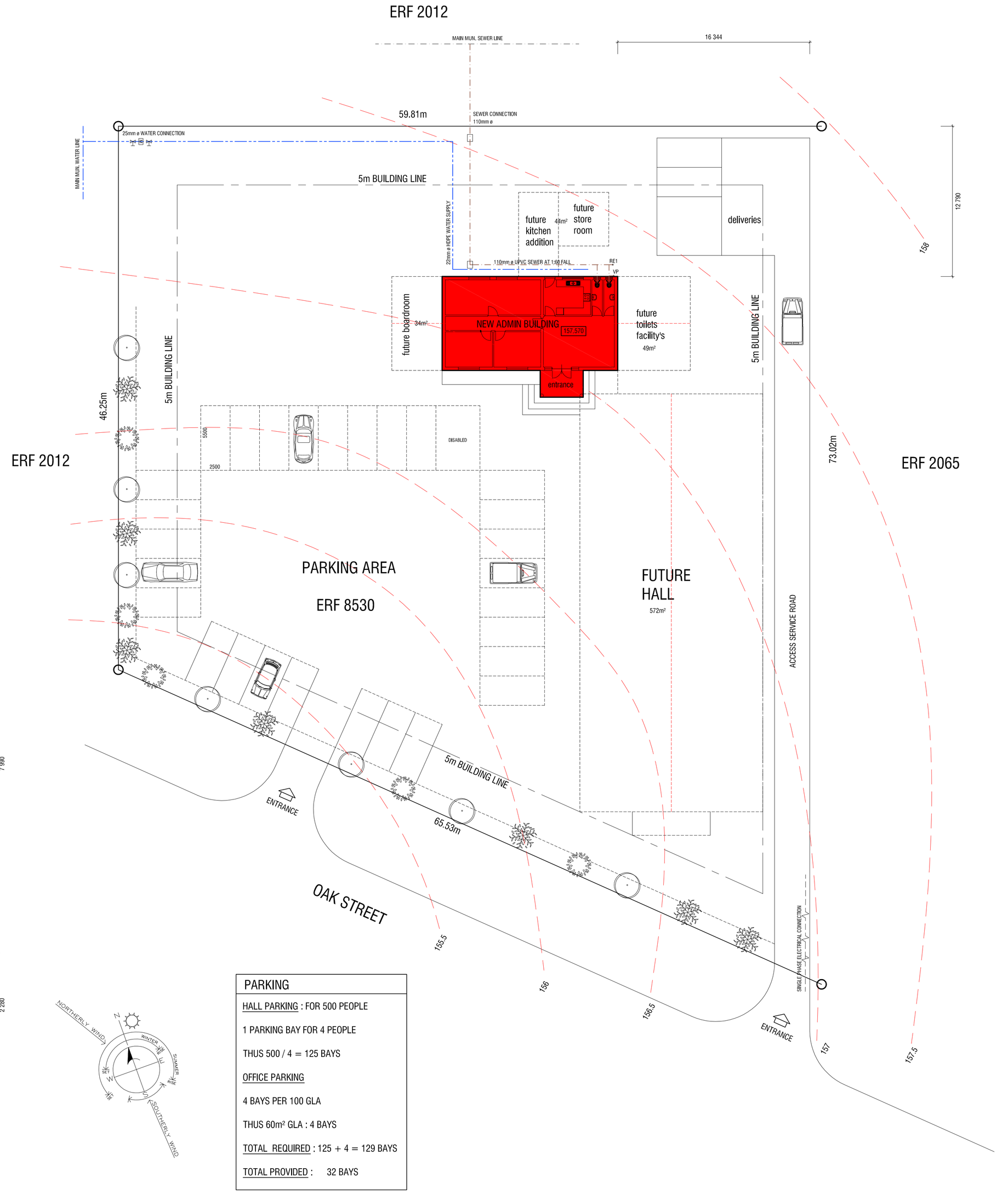
52(WEEKS) x 7 (DAYS) x 4 (h) = 1456h.a

(5x2x8W) + (5x36W) = 260w
= 0.26kW

THUS 0.26 x 1456 = 378kWh.a < 427 kWha,
THUS COMPLY



FLOOR PLAN 1:50 SCALE



SITE PLAN 1:200 SCALE

PARKING

HALL PARKING : FOR 500 PEOPLE

1 PARKING BAY FOR 4 PEOPLE

THUS 500 / 4 = 125 BAYS

OFFICE PARKING

4 BAYS PER 100 GLA

THUS 60m² GLA : 4 BAYS

TOTAL REQUIRED : 125 + 4 = 129 BAYS

TOTAL PROVIDED : 32 BAYS

SWELLENDAM MUNICIPALITY APPROVED
PLAN NO:
ERF/FARM:
DECISION MAKER:
SIGNATURE:
DATE: 2025-04-01
Signature of person who has knowledge of provisions of section 125 of 1977
Approval of this plan in terms of section 7 and 8 of Act 103 of 1977 does not relieve the owner of the building from the obligation to comply with any other law relating to the erection of a building

railton foundation

PROJECT TITLE/PROJEK TITEL

PLAN OF PROPOSED ARTS & CULTURE BUILDING (A1) ON ERF 8530, OAK STREET, RAILTON FOR RAILTON FOUNDATION SWELLENDAM

DRWG TITLE/TEK. TITEL

Site & floor plan

TINUS OLIVIER
Architectural Services
9 CHURCH STREET / KERKSTRAAT 9
SWELLENDAM 6740
TEL: 028-514 3200 CELL: 079 695 0285
EMAIL: to.arch.design@gmail.com
MH OLIVIER : SACAP REG. ST0873 (PrSArchT) / SAIAT REG. 71035 (SEN)

SCALE / SKAAL	1:100/200	OWNER / EIENAAR		
DATE / DATUM	MARCH 2025	DRWG. NO. / TEK. NR.	REV.	
DRAWN / GETEKEN	TOlivier	2024 - 41 - 3		

COPYRIGHT RESERVED
EXPRESS LY FORBIDDEN